

Integrated asymmetry over neutron flash

Integration is over 1000:1600

DetA, weighted with NaI

$$Asymm = \frac{\sum_{ii=1000}^{1600} (|\frac{up(ii)}{wup} - \frac{upbkg(ii)}{wupbkg}|) - \sum_{ii=1000}^{1600} (|\frac{sd(ii)}{wsd} - \frac{sdbkg(ii)}{wsdbkg}|)}{\sum_{ii=1000}^{1600} (|\frac{up(ii)}{wup} - \frac{upbkg(ii)}{wupbkg}|) - \sum_{ii=1000}^{1600} (|\frac{sd(ii)}{wsd} - \frac{sdbkg(ii)}{wsdbkg}|)}$$

up	upbg	sd	sdbg	asymm(+err)	up	upbg	sd	sdbg	asymm(+err)
40	44	48	52	-0.199(+0.002)	205	44	48	52	-0.721(+0.002)
40	44	74	52	-0.107(+0.002)	205	44	74	52	-0.673(+0.002)
40	44	78	52	0.060(+0.002)	205	44	78	52	-0.570(+0.003)
40	44	82	52	-0.048(+0.002)	205	44	82	52	-0.639(+0.003)
40	44	86	52	-0.029(+0.002)	205	44	86	52	-0.627(+0.003)
40	44	90	52	-0.043(+0.002)	205	44	90	52	-0.635(+0.003)
40	44	94	52	-0.033(+0.002)	205	44	94	52	-0.630(+0.003)
40	44	146	52	-0.584(+0.001)	205	44	146	52	-0.880(+0.001)
40	44	190	52	0.545(+0.003)	205	44	190	52	-0.097(+0.006)
40	44	225	52	-0.898(+0.000)	205	44	225	52	-0.974(+0.000)
40	44	235	52	0.480(+0.003)	205	44	235	52	-0.182(+0.005)
56	44	48	52	-0.128(+0.003)	210	44	48	52	-0.636(+0.002)
56	44	74	52	-0.034(+0.003)	210	44	74	52	-0.576(+0.003)
56	44	78	52	0.133(+0.003)	210	44	78	52	-0.453(+0.003)
56	44	82	52	0.025(+0.003)	210	44	82	52	-0.535(+0.003)
56	44	86	52	0.044(+0.003)	210	44	86	52	-0.521(+0.003)
56	44	90	52	0.031(+0.003)	210	44	90	52	-0.531(+0.003)
56	44	94	52	0.040(+0.003)	210	44	94	52	-0.524(+0.003)
56	44	146	52	-0.534(+0.002)	210	44	146	52	-0.839(+0.001)
56	44	190	52	0.594(+0.003)	210	44	190	52	0.062(+0.005)
56	44	225	52	-0.883(+0.001)	210	44	225	52	-0.965(+0.000)
56	44	235	52	0.535(+0.003)	210	44	235	52	-0.025(+0.005)
102	44	48	52	-0.350(+0.003)	230	44	48	52	-0.664(+0.002)
102	44	74	52	-0.264(+0.003)	230	44	74	52	-0.608(+0.003)
102	44	78	52	-0.102(+0.003)	230	44	78	52	-0.491(+0.003)
102	44	82	52	-0.208(+0.003)	230	44	82	52	-0.569(+0.003)
102	44	86	52	-0.190(+0.003)	230	44	86	52	-0.556(+0.003)
102	44	90	52	-0.203(+0.003)	230	44	90	52	-0.565(+0.003)
102	44	94	52	-0.194(+0.003)	230	44	94	52	-0.559(+0.003)
102	44	146	52	-0.681(+0.001)	230	44	146	52	-0.853(+0.001)
102	44	190	52	0.420(+0.004)	230	44	190	52	0.013(+0.005)
102	44	225	52	-0.926(+0.000)	230	44	225	52	-0.968(+0.000)
102	44	235	52	0.346(+0.004)	230	44	235	52	-0.074(+0.005)
108	44	48	52	-0.334(+0.003)					
108	44	74	52	-0.247(+0.003)					
108	44	78	52	-0.085(+0.003)					
108	44	82	52	-0.191(+0.003)					
108	44	86	52	-0.172(+0.003)					
108	44	90	52	-0.185(+0.003)					
108	44	94	52	-0.176(+0.003)					
108	44	146	52	-0.671(+0.001)					
108	44	190	52	0.435(+0.004)					
108	44	225	52	-0.923(+0.000)					
108	44	235	52	0.361(+0.004)					

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$$Asymm = \frac{\sum_{ii=900}^{1600} (|\frac{up(ii)}{wup} - \frac{upbkg(ii)}{wupbkg}|) - \sum_{ii=900}^{1600} (|\frac{sd(ii)}{wsd} - \frac{sdbkg(ii)}{wsdbkg}|)}{\sum_{ii=900}^{1600} (|\frac{up(ii)}{wup} - \frac{upbkg(ii)}{wupbkg}|) + \sum_{ii=900}^{1600} (|\frac{sd(ii)}{wsd} - \frac{sdbkg(ii)}{wsdbkg}|)}$$

up	upbg	sd	sdbg	asymm(+err)	up	upbg	sd	sdbg	asymm(+err)
49	53	41	45	-0.106(+0.002)	95	53	41	45	-0.253(+0.002)
49	53	57	45	-0.182(+0.003)	95	53	57	45	-0.325(+0.003)
49	53	103	45	0.082(+0.003)	95	53	103	45	-0.070(+0.003)
49	53	107	45	0.069(+0.003)	95	53	107	45	-0.083(+0.003)
49	53	206	45	0.548(+0.003)	95	53	206	45	0.433(+0.003)
49	53	211	45	0.448(+0.003)	95	53	211	45	0.318(+0.003)
49	53	231	45	0.428(+0.003)	95	53	231	45	0.296(+0.003)
75	53	41	45	-0.199(+0.002)	147	53	41	45	0.275(+0.002)
75	53	57	45	-0.273(+0.003)	147	53	57	45	0.202(+0.002)
75	53	103	45	-0.013(+0.003)	147	53	103	45	0.440(+0.002)
75	53	107	45	-0.026(+0.003)	147	53	107	45	0.429(+0.002)
75	53	206	45	0.478(+0.003)	147	53	206	45	0.764(+0.001)
75	53	211	45	0.368(+0.003)	147	53	211	45	0.702(+0.002)
75	53	231	45	0.347(+0.003)	147	53	231	45	0.689(+0.002)
79	53	41	45	-0.324(+0.003)	191	53	41	45	-0.684(+0.003)
79	53	57	45	-0.392(+0.003)	191	53	57	45	-0.723(+0.003)
79	53	103	45	-0.146(+0.003)	191	53	103	45	-0.570(+0.004)
79	53	107	45	-0.159(+0.003)	191	53	107	45	-0.579(+0.004)
79	53	206	45	0.368(+0.004)	191	53	206	45	-0.113(+0.006)
79	53	211	45	0.247(+0.004)	191	53	211	45	-0.243(+0.005)
79	53	231	45	0.224(+0.004)	191	53	231	45	-0.266(+0.005)
83	53	41	45	-0.247(+0.002)	226	53	41	45	0.859(+0.000)
83	53	57	45	-0.319(+0.003)	226	53	57	45	0.837(+0.001)
83	53	103	45	-0.063(+0.003)	226	53	103	45	0.901(+0.000)
83	53	107	45	-0.077(+0.003)	226	53	107	45	0.899(+0.000)
83	53	206	45	0.438(+0.003)	226	53	206	45	0.965(+0.000)
83	53	211	45	0.324(+0.003)	226	53	211	45	0.954(+0.000)
83	53	231	45	0.302(+0.003)	226	53	231	45	0.952(+0.000)
87	53	41	45	-0.261(+0.002)	236	53	41	45	-0.624(+0.003)
87	53	57	45	-0.332(+0.003)	236	53	57	45	-0.669(+0.003)
87	53	103	45	-0.078(+0.003)	236	53	103	45	-0.495(+0.004)
87	53	107	45	-0.091(+0.003)	236	53	107	45	-0.505(+0.004)
87	53	206	45	0.426(+0.003)	236	53	206	45	-0.008(+0.005)
87	53	211	45	0.310(+0.003)	236	53	211	45	-0.142(+0.005)
87	53	231	45	0.288(+0.003)	236	53	231	45	-0.166(+0.005)
91	53	41	45	-0.247(+0.002)					
91	53	57	45	-0.319(+0.003)					
91	53	103	45	-0.063(+0.003)					
91	53	107	45	-0.076(+0.003)					
91	53	206	45	0.439(+0.003)					
91	53	211	45	0.324(+0.003)					
91	53	231	45	0.302(+0.003)					

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up	upbg	sd	sdbg	asymm(+err)	up	upbg	sd	sdbg	asymm(+err)
40	44	48	52	-0.248(+0.003)	205	44	48	52	-0.320(+0.006)
40	44	74	52	-0.274(+0.003)	205	44	74	52	-0.345(+0.006)
40	44	78	52	-0.210(+0.004)	205	44	78	52	-0.284(+0.006)
40	44	82	52	-0.232(+0.004)	205	44	82	52	-0.305(+0.006)
40	44	86	52	-0.232(+0.004)	205	44	86	52	-0.305(+0.006)
40	44	90	52	-0.243(+0.004)	205	44	90	52	-0.315(+0.006)
40	44	94	52	-0.245(+0.004)	205	44	94	52	-0.317(+0.006)
40	44	146	52	0.529(+0.004)	205	44	146	52	0.470(+0.006)
40	44	190	52	-0.092(+0.006)	205	44	190	52	-0.169(+0.007)
40	44	225	52	-0.111(+0.003)	205	44	225	52	-0.188(+0.006)
40	44	235	52	-0.293(+0.005)	205	44	235	52	-0.363(+0.007)
56	44	48	52	-0.248(+0.004)	210	44	48	52	-0.228(+0.006)
56	44	74	52	-0.274(+0.004)	210	44	74	52	-0.254(+0.006)
56	44	78	52	-0.210(+0.005)	210	44	78	52	-0.190(+0.006)
56	44	82	52	-0.232(+0.005)	210	44	82	52	-0.212(+0.006)
56	44	86	52	-0.232(+0.005)	210	44	86	52	-0.212(+0.006)
56	44	90	52	-0.243(+0.005)	210	44	90	52	-0.223(+0.006)
56	44	94	52	-0.245(+0.005)	210	44	94	52	-0.224(+0.006)
56	44	146	52	0.529(+0.005)	210	44	146	52	0.544(+0.005)
56	44	190	52	-0.092(+0.006)	210	44	190	52	-0.070(+0.007)
56	44	225	52	-0.111(+0.005)	210	44	225	52	-0.090(+0.006)
56	44	235	52	-0.293(+0.006)	210	44	235	52	-0.274(+0.007)
102	44	48	52	-0.213(+0.005)	230	44	48	52	-0.032(+0.006)
102	44	74	52	-0.240(+0.005)	230	44	74	52	-0.060(+0.006)
102	44	78	52	-0.175(+0.005)	230	44	78	52	0.007(+0.007)
102	44	82	52	-0.198(+0.005)	230	44	82	52	-0.016(+0.007)
102	44	86	52	-0.197(+0.005)	230	44	86	52	-0.015(+0.007)
102	44	90	52	-0.208(+0.005)	230	44	90	52	-0.027(+0.007)
102	44	94	52	-0.210(+0.005)	230	44	94	52	-0.029(+0.007)
102	44	146	52	0.555(+0.005)	230	44	146	52	0.669(+0.004)
102	44	190	52	-0.055(+0.007)	230	44	190	52	0.128(+0.008)
102	44	225	52	-0.075(+0.005)	230	44	225	52	0.109(+0.006)
102	44	235	52	-0.260(+0.006)	230	44	235	52	-0.081(+0.008)
108	44	48	52	-0.205(+0.005)					
108	44	74	52	-0.231(+0.005)					
108	44	78	52	-0.167(+0.005)					
108	44	82	52	-0.189(+0.005)					
108	44	86	52	-0.189(+0.005)					
108	44	90	52	-0.200(+0.005)					
108	44	94	52	-0.202(+0.005)					
108	44	146	52	0.561(+0.004)					
108	44	190	52	-0.047(+0.007)					
108	44	225	52	-0.066(+0.005)					
108	44	235	52	-0.251(+0.006)					

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up	upbg	sd	sdbg	asymm(+err)					
49	53	41	45	-0.163(+0.004)	95	53	41	45	-0.138(+0.005)
49	53	57	45	-0.172(+0.005)	95	53	57	45	-0.147(+0.005)
49	53	103	45	-0.155(+0.005)	95	53	103	45	-0.129(+0.005)
49	53	107	45	-0.159(+0.005)	95	53	107	45	-0.134(+0.005)
49	53	206	45	0.007(+0.006)	95	53	206	45	0.033(+0.006)
49	53	211	45	-0.081(+0.006)	95	53	211	45	-0.055(+0.006)
49	53	231	45	-0.306(+0.006)	95	53	231	45	-0.282(+0.006)
75	53	41	45	-0.127(+0.004)	147	53	41	45	-0.985(+0.006)
75	53	57	45	-0.136(+0.005)	147	53	57	45	-0.986(+0.006)
75	53	103	45	-0.119(+0.005)	147	53	103	45	-0.985(+0.006)
75	53	107	45	-0.123(+0.005)	147	53	107	45	-0.985(+0.006)
75	53	206	45	0.044(+0.006)	147	53	206	45	-0.979(+0.009)
75	53	211	45	-0.044(+0.006)	147	53	211	45	-0.983(+0.007)
75	53	231	45	-0.272(+0.006)	147	53	231	45	-0.989(+0.005)
79	53	41	45	-0.153(+0.005)	191	53	41	45	-0.171(+0.006)
79	53	57	45	-0.162(+0.005)	191	53	57	45	-0.180(+0.007)
79	53	103	45	-0.145(+0.005)	191	53	103	45	-0.162(+0.007)
79	53	107	45	-0.149(+0.005)	191	53	107	45	-0.167(+0.007)
79	53	206	45	0.017(+0.006)	191	53	206	45	-0.001(+0.008)
79	53	211	45	-0.071(+0.006)	191	53	211	45	-0.089(+0.007)
79	53	231	45	-0.297(+0.006)	191	53	231	45	-0.313(+0.007)
83	53	41	45	-0.163(+0.004)	226	53	41	45	-0.188(+0.004)
83	53	57	45	-0.172(+0.005)	226	53	57	45	-0.197(+0.004)
83	53	103	45	-0.155(+0.005)	226	53	103	45	-0.179(+0.005)
83	53	107	45	-0.159(+0.005)	226	53	107	45	-0.184(+0.005)
83	53	206	45	0.007(+0.006)	226	53	206	45	-0.018(+0.006)
83	53	211	45	-0.081(+0.006)	226	53	211	45	-0.106(+0.005)
83	53	231	45	-0.306(+0.006)	226	53	231	45	-0.329(+0.005)
87	53	41	45	-0.157(+0.005)	236	53	41	45	0.062(+0.006)
87	53	57	45	-0.166(+0.005)	236	53	57	45	0.053(+0.007)
87	53	103	45	-0.149(+0.005)	236	53	103	45	0.071(+0.007)
87	53	107	45	-0.153(+0.005)	236	53	107	45	0.066(+0.007)
87	53	206	45	0.013(+0.006)	236	53	206	45	0.230(+0.007)
87	53	211	45	-0.075(+0.006)	236	53	211	45	0.145(+0.007)
87	53	231	45	-0.300(+0.006)	236	53	231	45	-0.089(+0.008)
91	53	41	45	-0.143(+0.004)					
91	53	57	45	-0.152(+0.005)					
91	53	103	45	-0.135(+0.005)					
91	53	107	45	-0.139(+0.005)					
91	53	206	45	0.028(+0.006)					
91	53	211	45	-0.060(+0.006)					
91	53	231	45	-0.287(+0.006)					