

Experimental data on the definition of the speed of light propagation through 100 cm length of the neutron detector is presented on the right plot. The time of light propagation toward PMT left ( $t_1$ ) vs the time towards PMT right ( $t_2$ ) dependence based on the experimental data is presented on the left plot. More details can be found at [https://wiki.iac.isu.edu/index.php/2n\\_Neutron\\_signal\\_attenuation](https://wiki.iac.isu.edu/index.php/2n_Neutron_signal_attenuation)

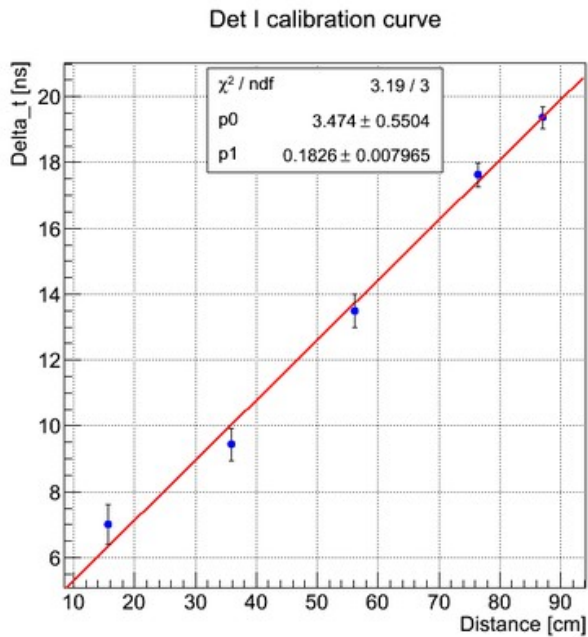


Fig 1. Det I speed of light  $v' = 5.5 \text{ cm/ns}$

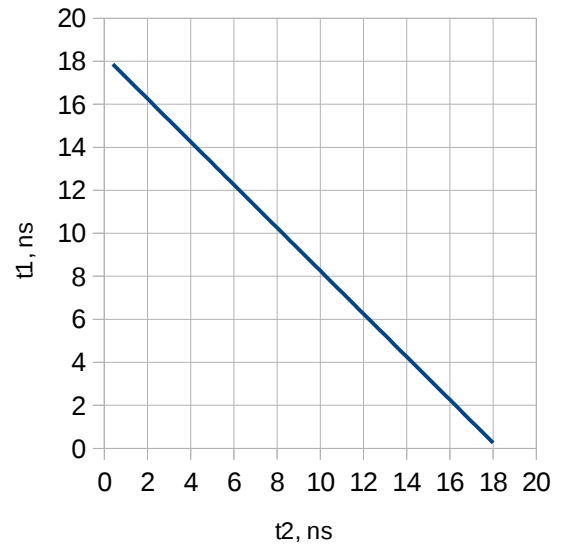


Fig 2. Det I time of light propagation toward PMT left ( $t_1$ ) vs the time towards PMT right ( $t_2$ ).

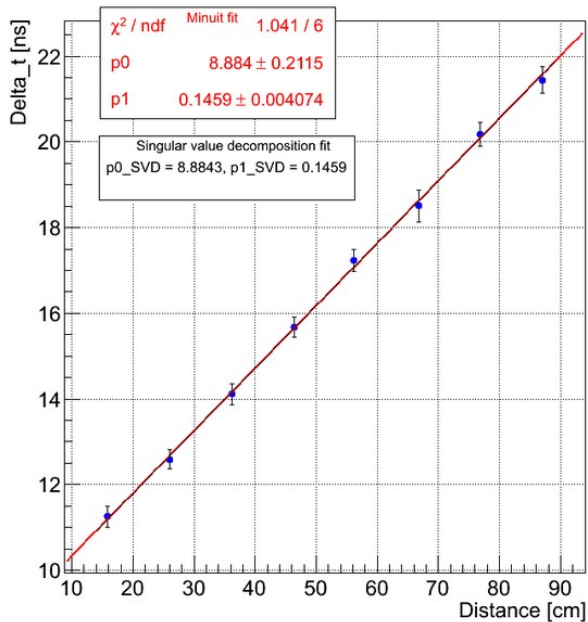


Fig 3. Det I speed of light  $v' = 6.71 \text{ cm/ns}$

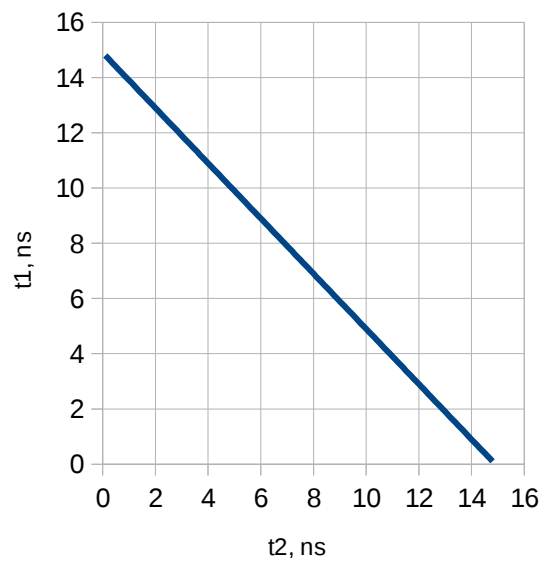


Fig 4. Det K time of light propagation toward PMT left ( $t_1$ ) vs the time towards PMT right ( $t_2$ ).

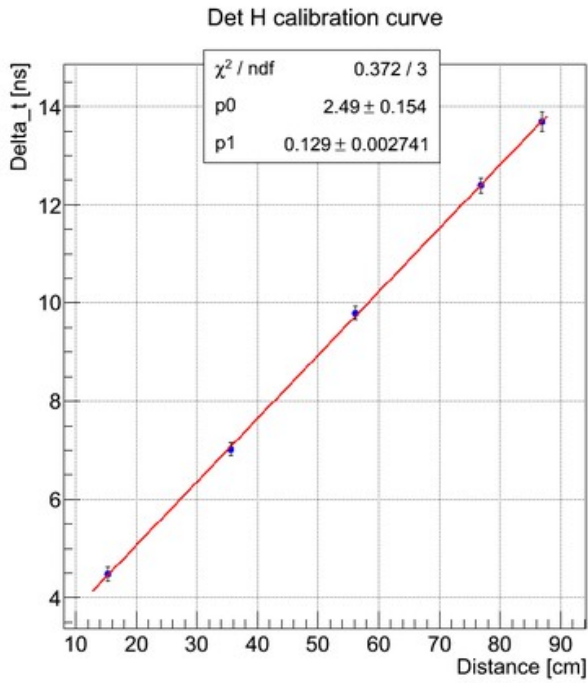


Fig 5. Det H speed of light  $v' = 7.75 \text{ cm/ns}$

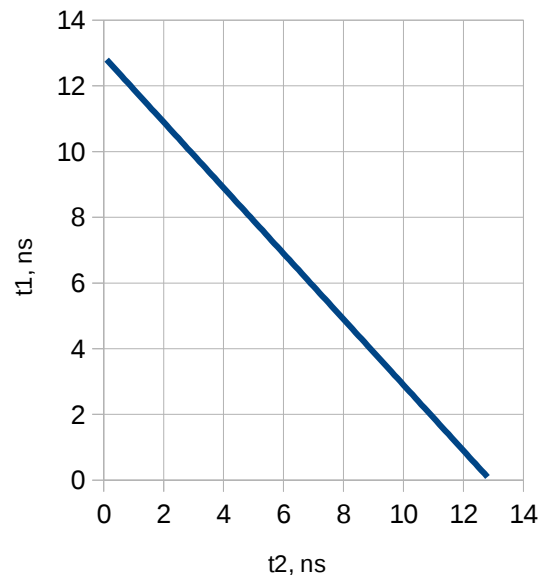


Fig 6. Det H time of light propagation toward PMT left ( $t_1$ ) vs the time towards PMT right ( $t_2$ ).

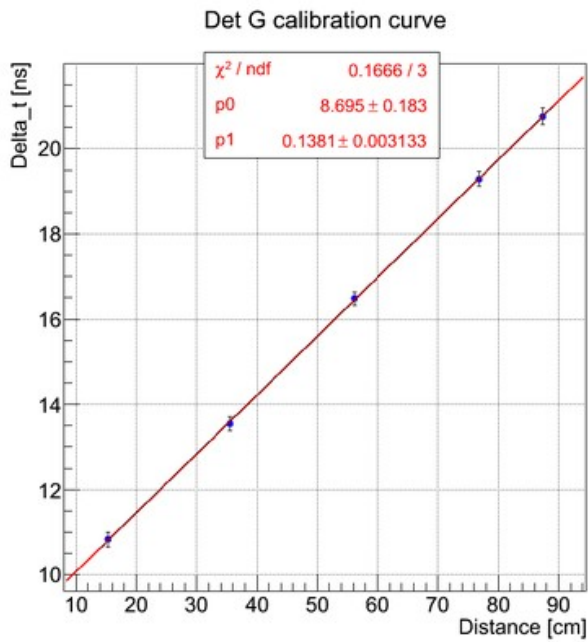


Fig 7. Det G speed of light  $v' = 7.24 \text{ cm/ns}$

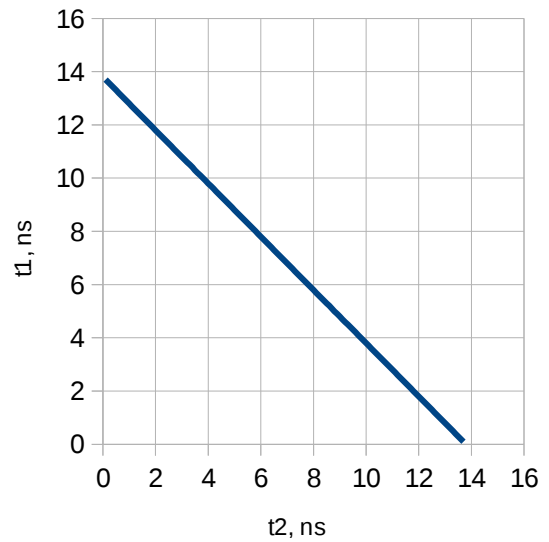


Fig 8. Det G time of light propagation toward PMT left ( $t_1$ ) vs the time towards PMT right ( $t_2$ ).

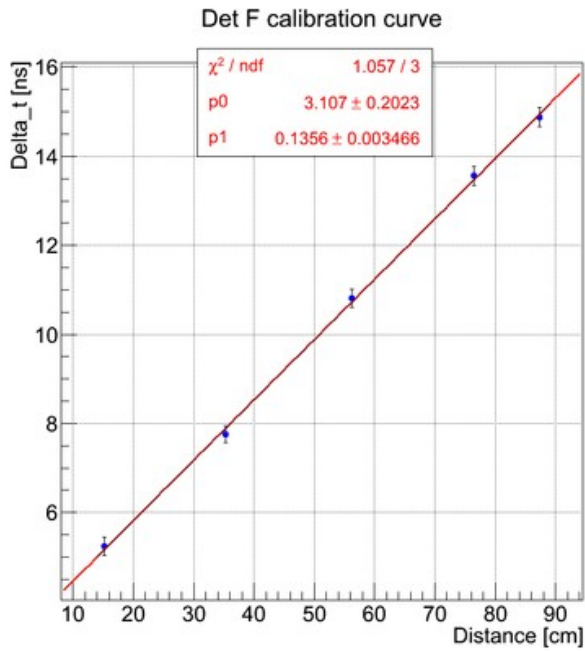


Fig 9. Det F speed of light  $v' = 7.24 \text{ cm/ns}$

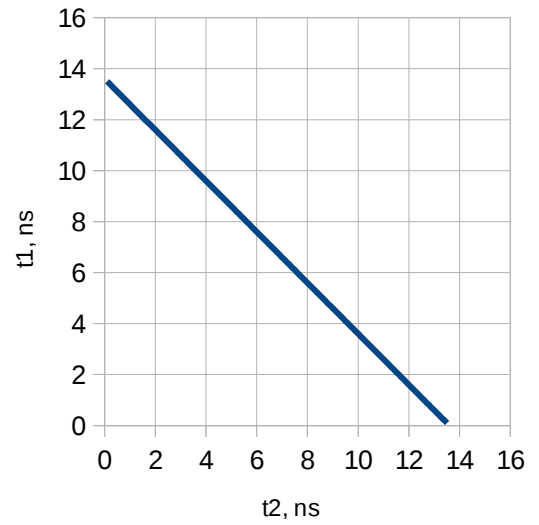


Fig 10. Det F time of light propagation toward PMT left ( $t_1$ ) vs the time towards PMT right ( $t_2$ ).

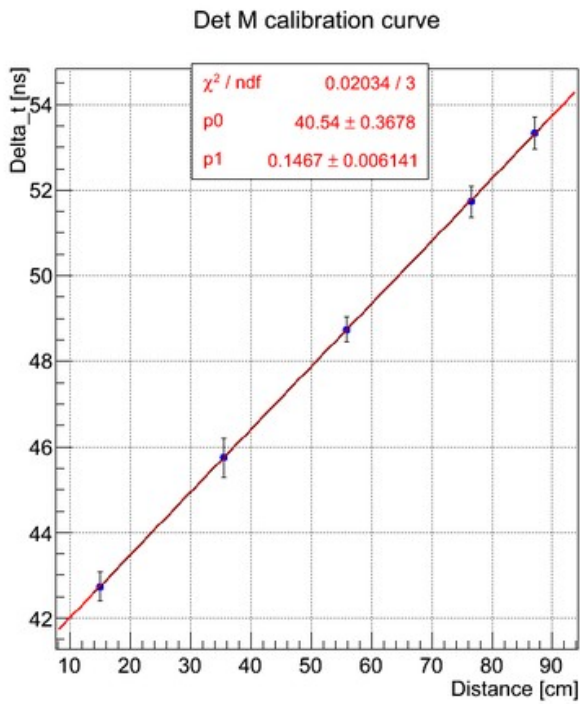


Fig 11. Det M speed of light  $v' = 6.82 \text{ cm/ns}$

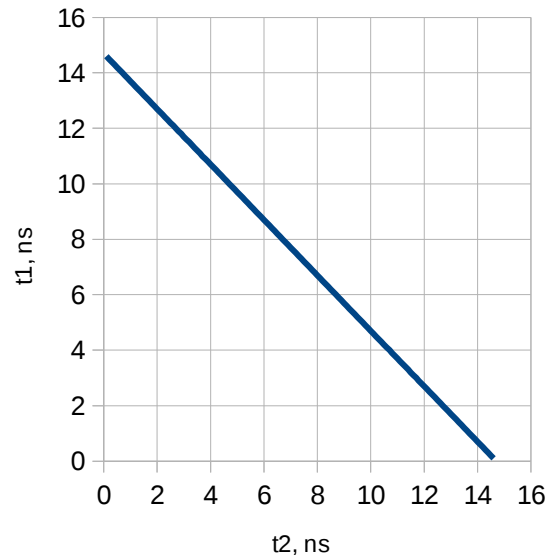


Fig 12. Det M time of light propagation toward PMT left ( $t_1$ ) vs the time towards PMT right ( $t_2$ ).

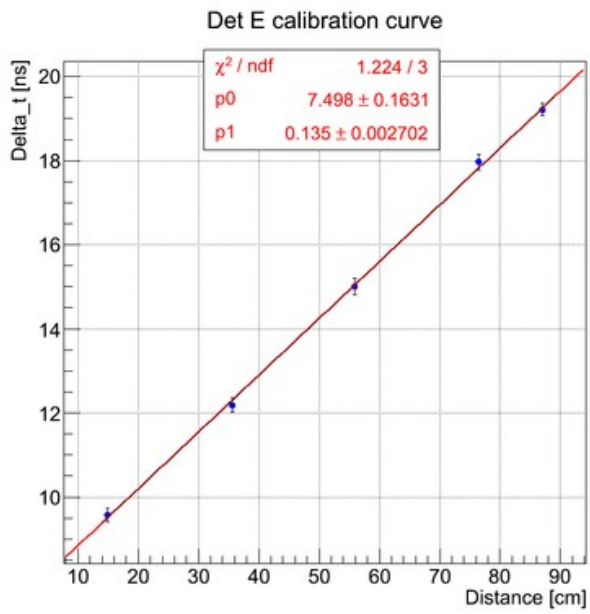


Fig 13. Det E speed of light  $v' = 7.41 \text{ cm/ns}$

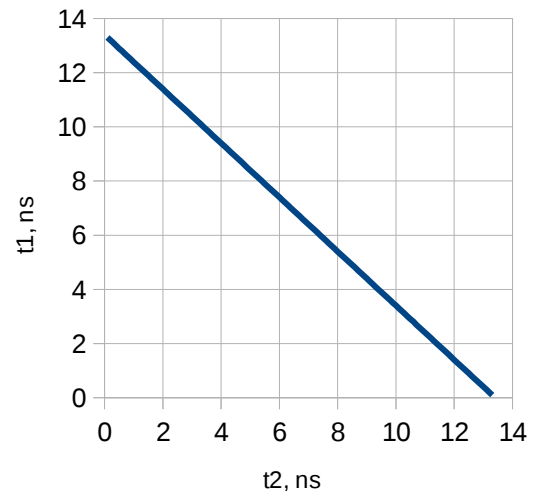


Fig 14. Det E time of light propagation toward PMT left ( $t_1$ ) vs the time towards PMT right ( $t_2$ ).