# Event

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**0. EventNo:** Event number (starting from 0)

**1. Antineutrino_Energy*:** Energy of the incoming antineutrino (MeV)

**2. Positron_Kinetic_Energy*:** Kinetic energy of the positron produced in IBD interaction (MeV)

**3. Neutron_Kinetic_Energy*:** Kinetic energy of the neutron produced in IBD interaction (MeV)

**4. Vertex_X*:** IBD interaction vertex position x (mm)

**5. Vertex_Y*:** IBD interaction vertex position y (mm)

**6. Vertex_Z*:** IBD interaction vertex position z (mm)

**7. Annihilation_X*:** Positron annihilation position x (mm)

**8. Annihilation_Y*:** Positron annihilation position y (mm)

**9. Annihilation_Z*:** Positron annihilation position z (mm)

**10. Annihilation_T*:** Positron annihilation time (ns)

**11. Ncapture_X:** Neutron capture position x (mm)

**12. Ncapture_Y:** Neutron capture position y (mm)

**13. Ncapture_Z:** Neutron capture position z (mm)

**14. Ncapture_T:** Neutron capture time (ns)

**15. Scintillation_Photon_Count:** Total count of the photons produced by scintillation

**16. Cerenkov_Photon_Count:** Total count of the photons produced by cerenkov

**17. PMT_Signal_Count:** Total count of PMTs that gives a signal in the event

**18. PMT_Prompt_Hit_Count:** Total count of photon hits on all PMTs in the event in the first microsecond

**19. PMT_Delayed_Hit_Count:** Total count of photon hits on all PMTs in the event after the first microsecond

**20. PMT_Total_Prompt_Energy:** Total energy deposited on all PMTs in the event in the first microsecond (MeV)

**21. PMT_Total_Delayed_Energy:** Total energy deposited on all PMTs in the event after the first microsecond (MeV)

* : branches 1 to 10 are only included in IBD output