

JUNO Liquid Scintillation

Understanding of JUNO LS and perhaps PMT

1. Mixture

The JUNO scintillator is a mixture of linear alkyl benzene (LAB), 2.5 g/L of 2,5-diphenyloxazole (PPO), 3 mg/L of 1,4-Bis(2-methylstyryl)benzene (Bis-MSB) as wavelength shifter and 42.7 mg/L butylated hydroxytoluene (BHT) as antioxidant[1].

Bibliography

- [1] A. Abusleme, T. Adam, K. Adamowicz, D. Adey, S. Ahmad, and others, “Initial performance results of the JUNO detector.” [Online]. Available: <http://arxiv.org/abs/2511.14590>