

The spectral fit

Minimization of a full 2D likelihood function with non-equidistant binning:

 $\mathcal{L}_{MV}(\vec{\theta}) = \mathcal{L}_{E-Sub}^{2D}(\vec{\theta}, E, R) \cdot \mathcal{L}_{E-Tag}(\vec{\theta}, E) \cdot \mathcal{L}_{pep}(\vec{\theta}) \cdot \mathcal{L}_{210Bi}(\vec{\theta})$

Luca Pelicci^{1,2}

CID results are included as external pull terms based on N $_{\nu}$ posteriors:

The combined analysis

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 $\mathscr{L}_{Combined}(\vec{\theta}) = \mathscr{L}_{MV}(\vec{\theta}) \cdot \mathscr{L}_{CID}^{P-I}(\vec{\theta}) \cdot \mathscr{L}_{CID}^{P-II+III}(\vec{\theta})$

