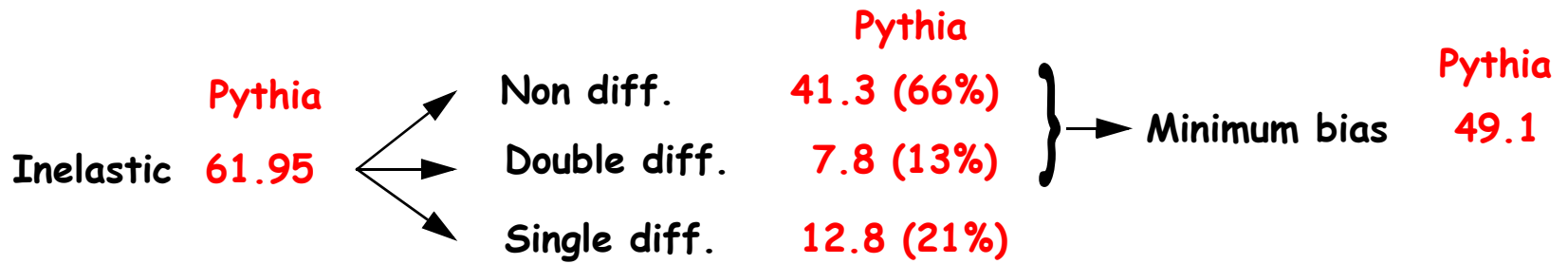


2.76 TeV:



EFFICIENCIES

2.36 TeV 2.76 TeV 7 TeV

LUCID Event OR	45.6%	47.3%	64.9%
LUCID Event AND	7.72%	8.98%	22.4%
MBTS Event OR	92.4%	92.6%	93.1%
MBTS Event AND	78.6%	78.9%	81.7%
σ_{inel} (mb)	60.6	61.95	71.5

2.76 TeV

LUCID Event OR	$\sigma_{vis} = 0.473 \times 61.95 \times 0.88 = 25.8$ mb
LUCID Event AND	$\sigma_{vis} = 0.0898 \times 61.95 \times 0.88 = 4.90$ mb
MBTS Event OR	$\sigma_{vis} = 0.926 \times 61.95 \times 0.88 = 50.5$ mb
MBTS Event AND	$\sigma_{vis} = 0.789 \times 61.95 \times 0.88 = 43.0$ mb

The ratio of VDM/Pythia at 7 TeV is 0.88 for MBTS and this has been applied as a correction factor for all values above including LUCID.

All values above are from Pythia with the following exceptions:

- (1) the blue values are "datadriven" and therefore basically MBTS values
- (2) the red values are interpolations.