Functional Method

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Method Overview

Position Spread for Various Conditions

$y = 0.013x^2 + 0.166x - 0.045$
$R^2 = 0.999$

Position Spread (mm)

Mean Energy Loss (MeV)

- 150 run
- 200 Avg
- 250 run
- LHe
- .... Poly. (200 Avg)
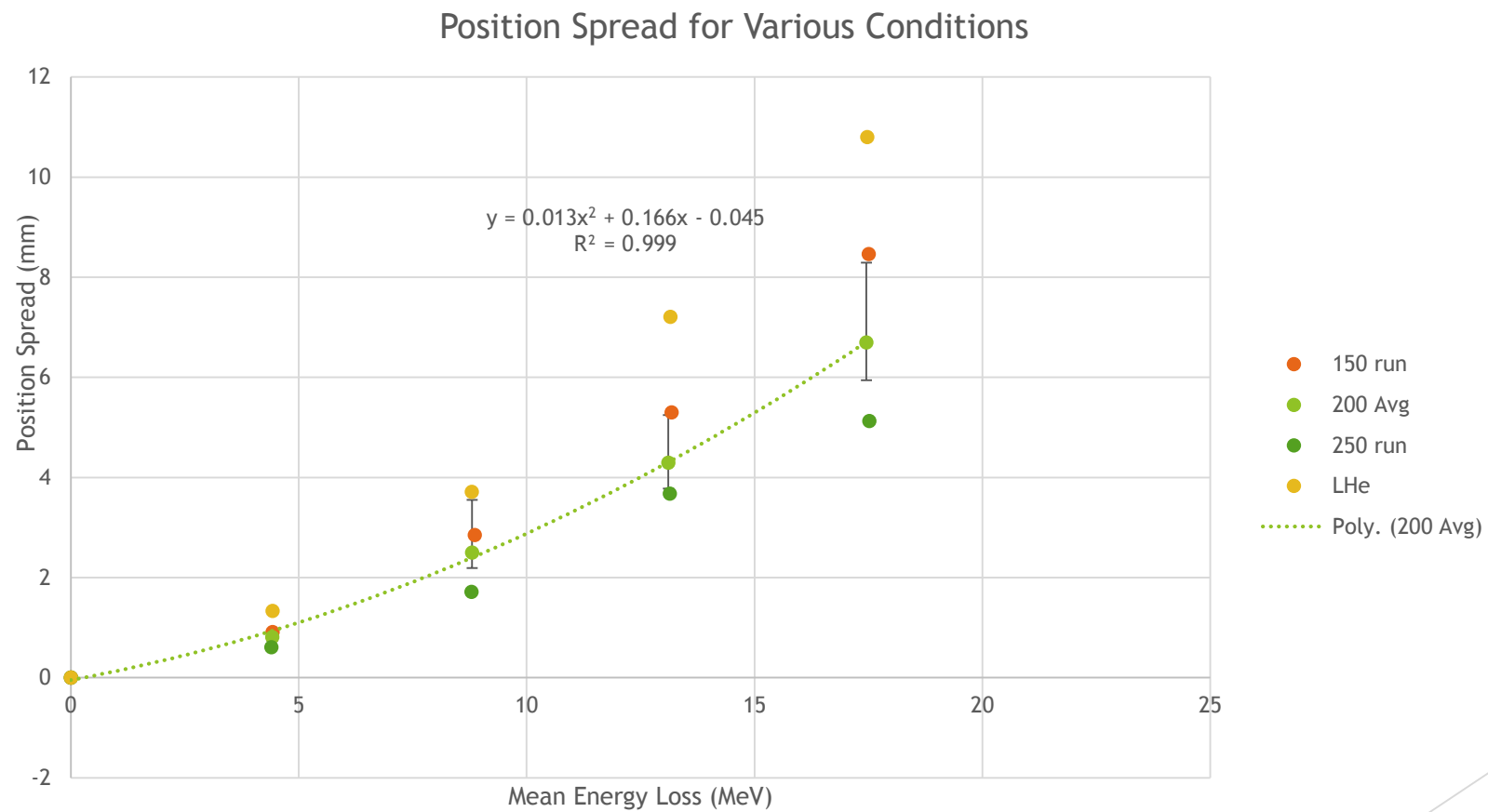
Initial Results

	COSY Det	COSY	ICOOL1	ICOOL2	ICOOL3	ICOOL AVG
σx (mm)	18.96	19.05	19.06	19.04	19.02	19.04
σy (mm)	19.00	19.06	19.17	19.10	19.10	19.12

% w.r.t. ICOOL AVG	COSY Det	COSY	ICOOL1	ICOOL2	ICOOL3
σx (%)	0.444	0.026	0.111	0.014	0.124
σy (%)	0.618	0.303	0.260	0.130	0.130