

Polarimetry

4-21-2015

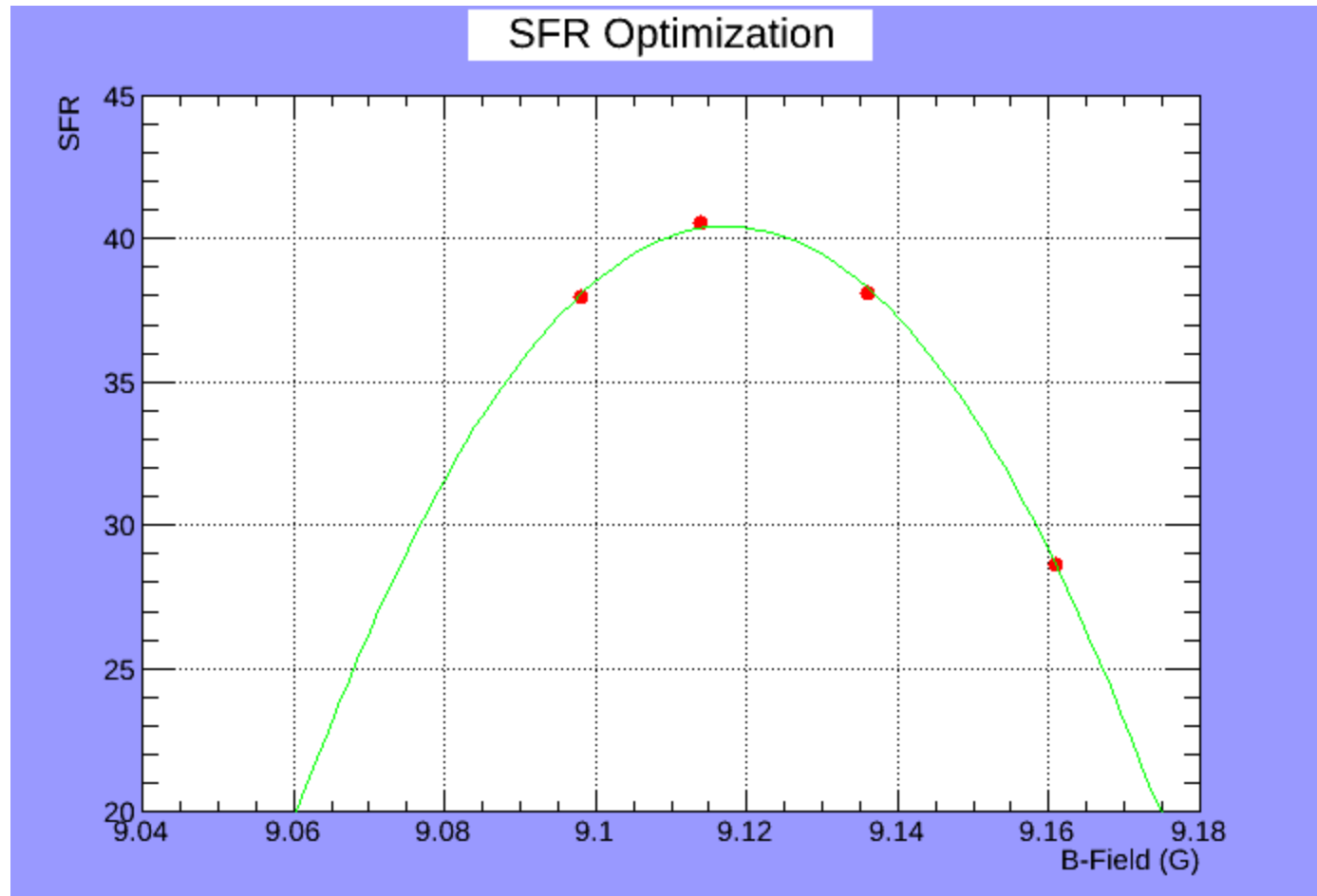
n³He Experiment

DATA Runs

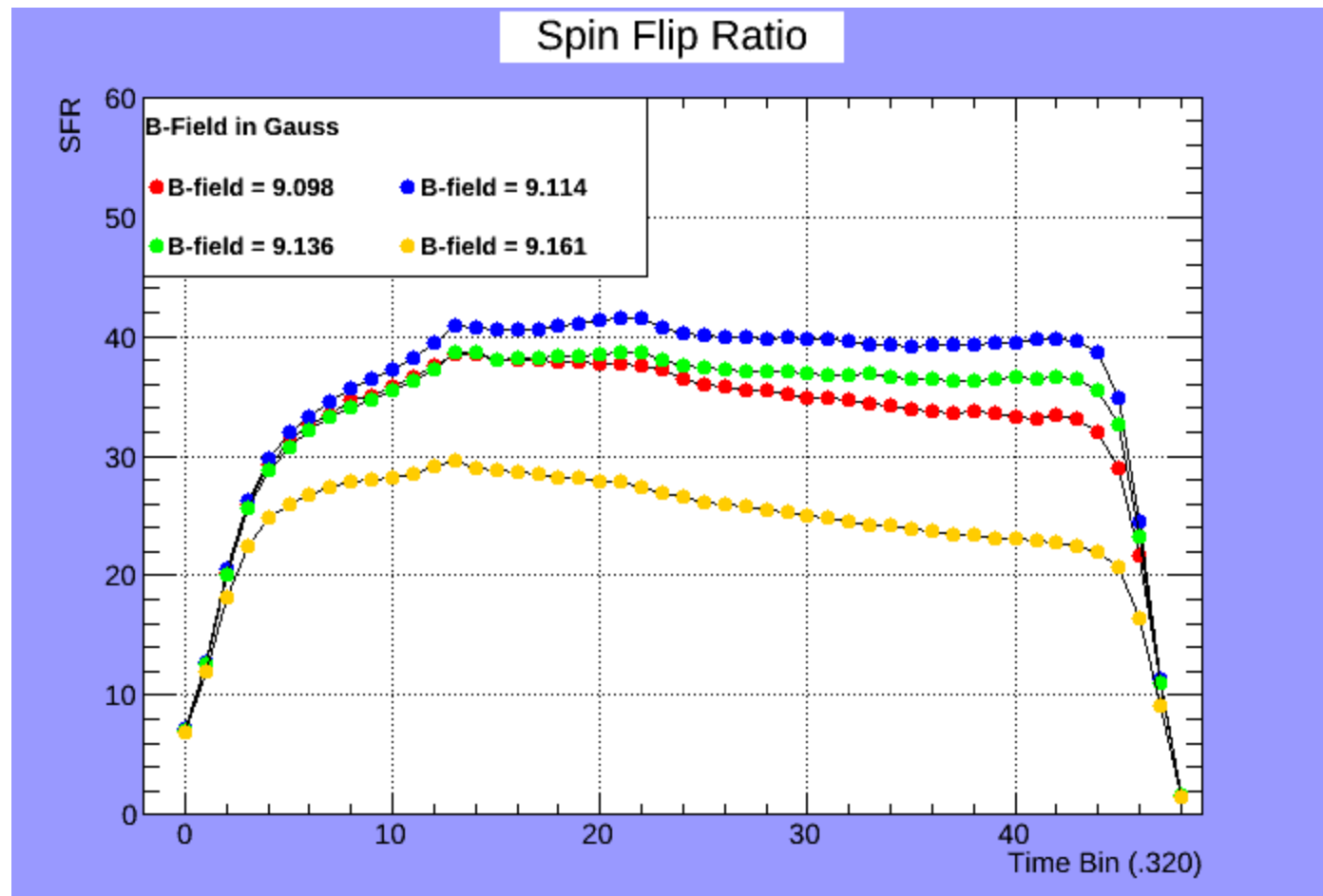
<i>Date</i>	<i>Item</i>	<i>By1</i>	<i>By2</i>	<i>Run Numbers</i>	<i>Description</i>	<i>Spin</i>	<i>SFR</i>	<i>FGV</i>	<i>Notes</i>
4/21/2015	1	9.161	9.1	26505 - 26507	Pedestal	up		486	BP = 558 Secondary Sutter Closed 4j collimator set
4/21/2015	2	9.161	9.1	26510 - 26513	Polarized Cell	up		486	BP= 564 previous setting with Danphysic at 22.04
4/22/2015	3	9.136	9.097	26514-26517	Polarized Cell	up		486	BP=563
4/23/2015	4	9.098	9.04	26518-26521	Polarized Cell	up		486	BP=600
4/24/2015	5	9.114	9.059	26522-26525	Polarized Cell	up		486	BP=602

NOTE: Polarimetry performed today at low beam power(=BP)

Optimization of SFR



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Optimization Data

26521	9.098	37.9501
26525	9.114	40.5726
26517	9.136	38.1161
26513	9.161	28.6209

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Minimizer is Minuit / Migrad

Chi2 = 0.0885299

NDf = 1

Edm = 2.45817e-09

NCalls = 219

coefficient = 6271.05 +/- 345.024

best_fit = 9.11751 +/-

0.000843891

best_sfr = 40.432 +/- 0.215576