Dipole Analysis

Status Report 03/14/01

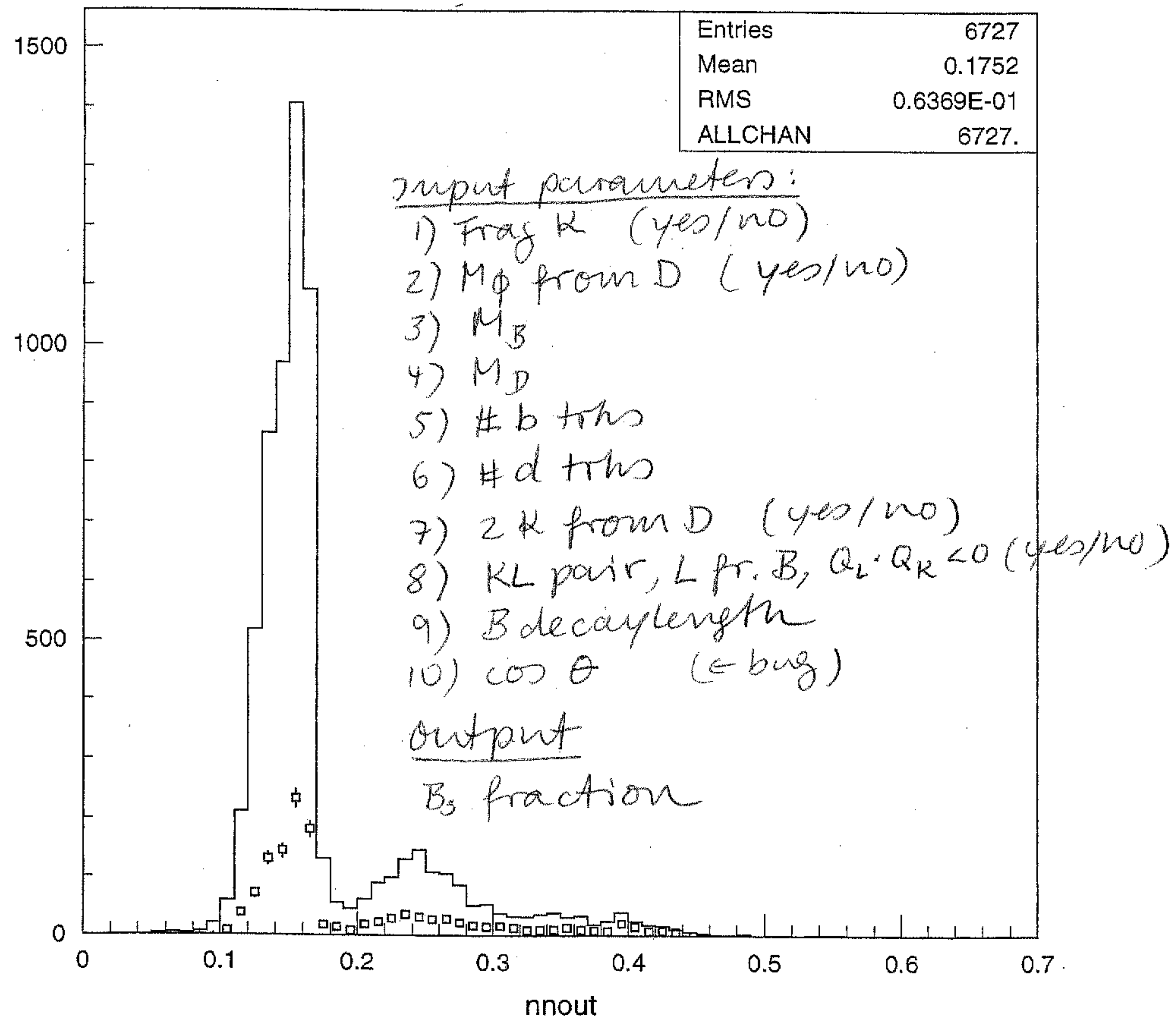
J. Thom

a) B_s fraction NN

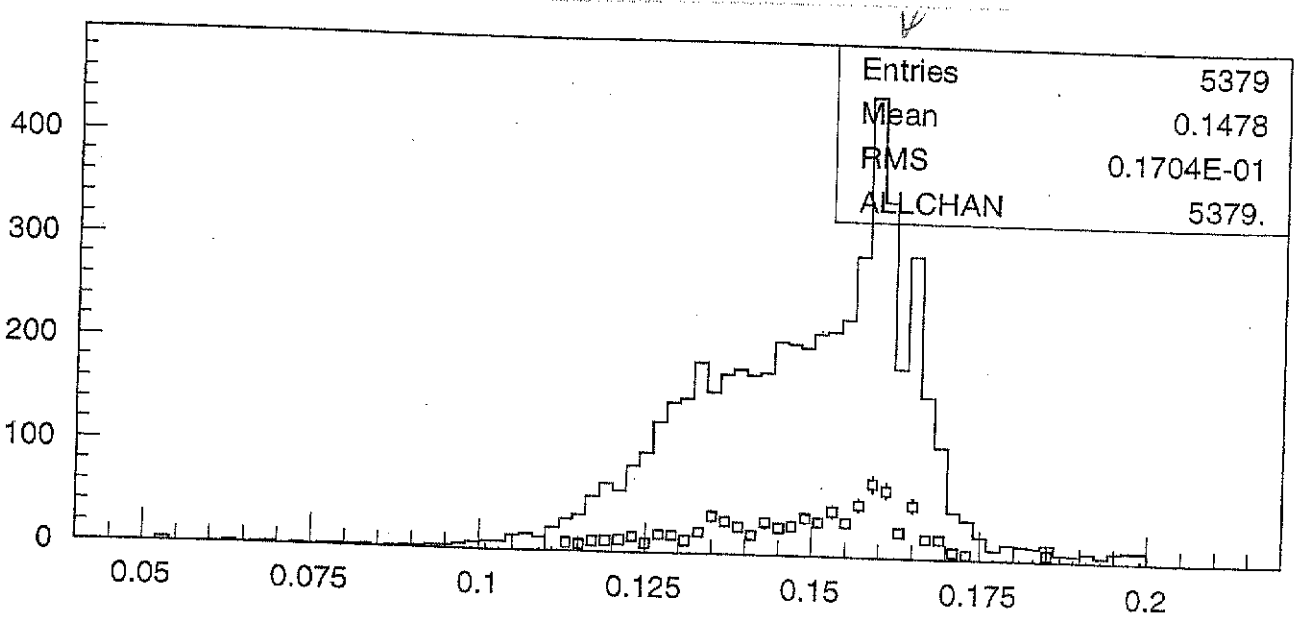
b) running all MC / Data

B_s fraction neural net

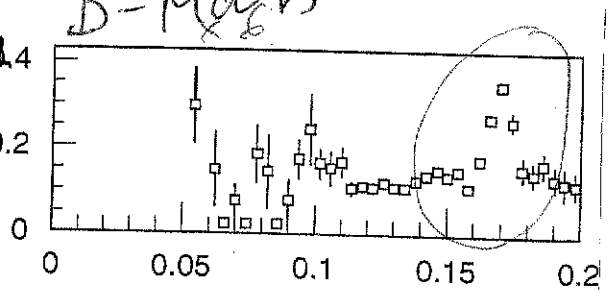
01/02/22 20.01



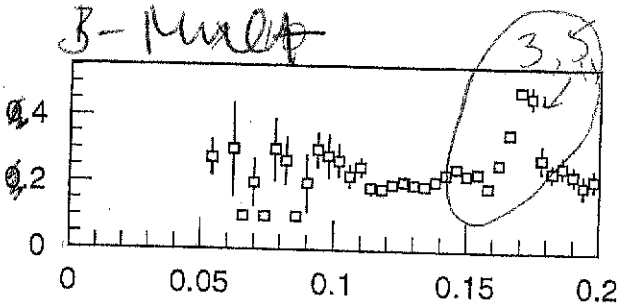
Bin 1



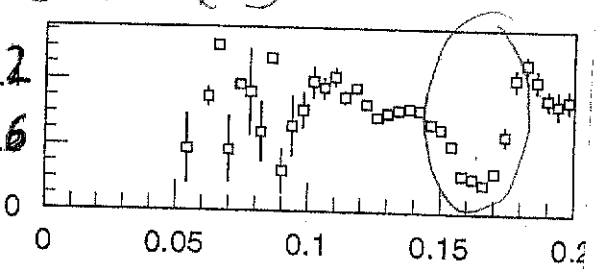
B-Mass



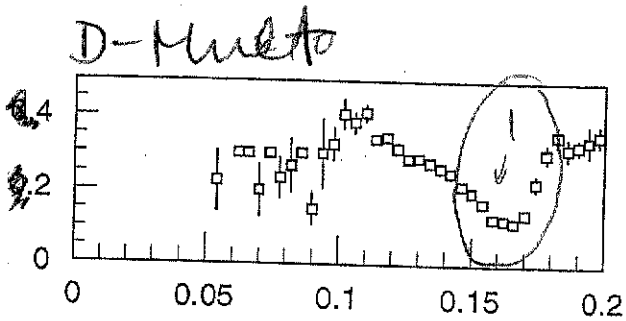
B-Mult



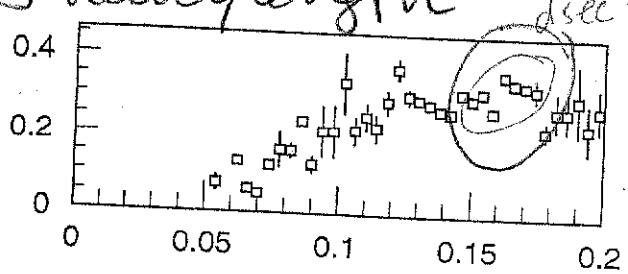
D-Mass



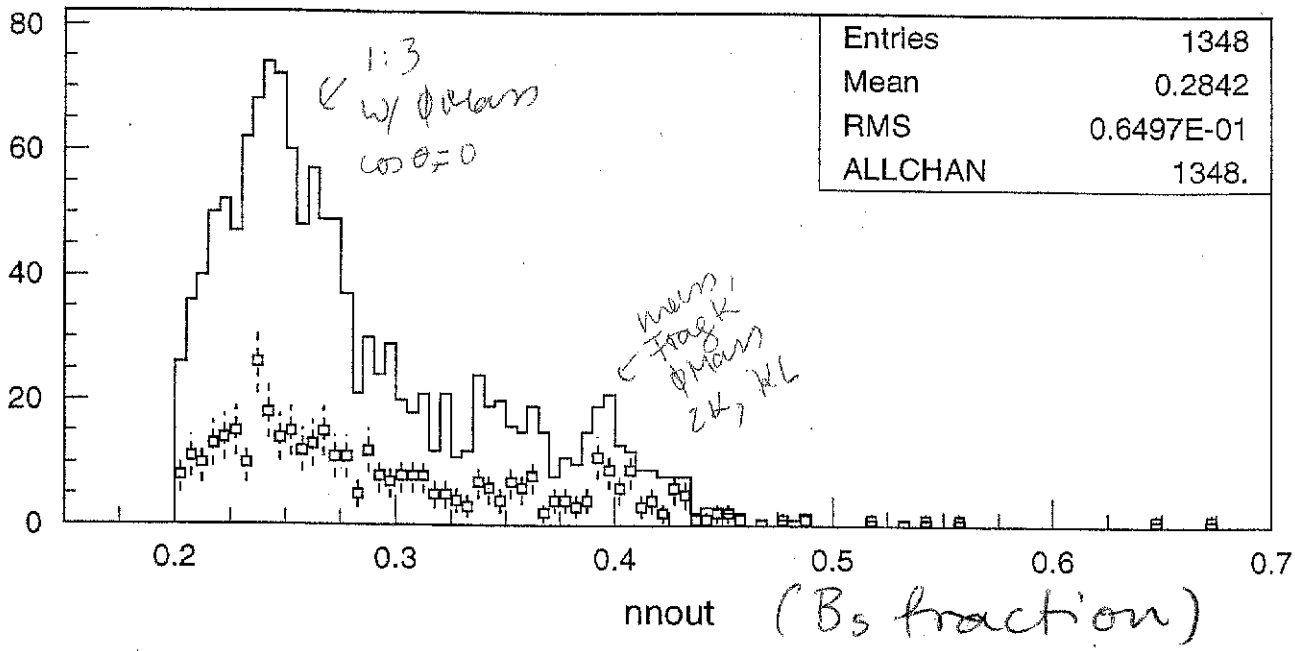
D-Multo



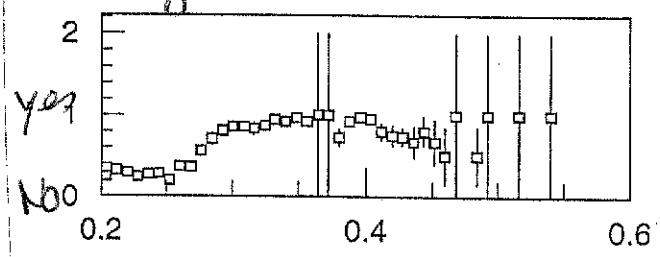
B decaylength



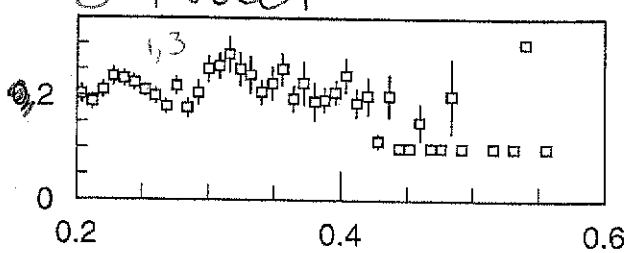
Bin 2



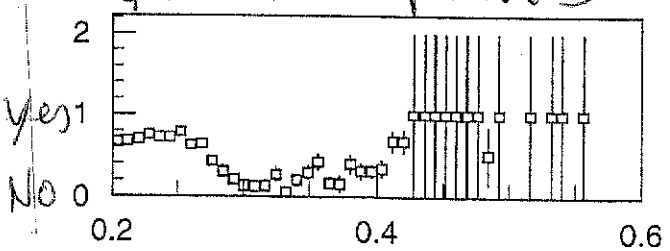
Frag. Kaon



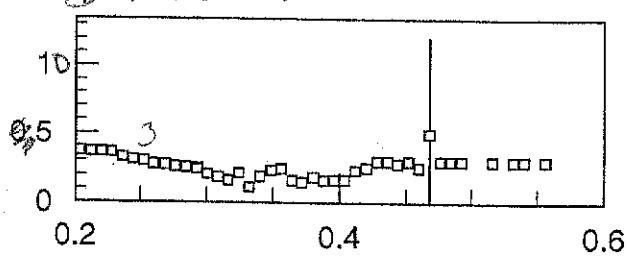
B Mult.



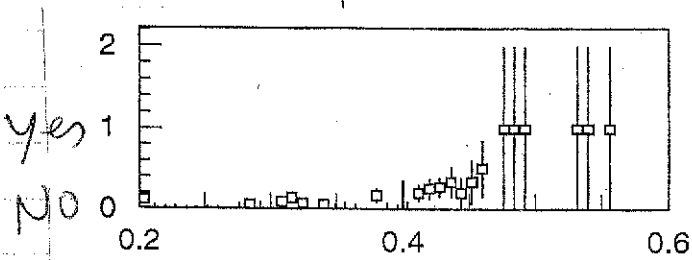
φ Mass ok from D



D Mult



2 K's from D



Running MC / Data with new b3mass track selection now

- sort out details of Dipole cuts
- new looser cuts at low decaylength
  - → check MC / Data comparison (standard list)
  - → check decaylength residuals
  - → check udsc bkgd
  - → dipole purity at low decaylength
  - → etc. (offsets ....) Bd mixing

2 categories: b3mass selected tracks
old quality tracks
(↳ low decaylength)
above list for both => compare

NN

- retrain B_s fraction NN on larger MC sample
- small $\cos\theta$ - bug in NN

~~dipole NN~~

- fine tune NN input (M_ϕ)