date:
PWG requesting:

Trigger Request Form

1. Brief description of trigger requested: (eg. select J/Psi from non-central events to enhance J/Psi in data stream)

2. Detail of trigger scheme: eg. this trigger should use the minimum bias setup with the J/Psi bit at Level0 and the J/Psi algorithm at Level 2.

3. What other STAR/RHIC conditions do you need? Specify the luminosity conditions (eg, run at highest L), the magnetic field (eg. use full field, either polarity), livetime, vertex constraint, and any other conditions you think are appropriate to specify.

4. Which detectors do you need in the data stream?

DET	TPC	SVT	BSMD	FTPC	TOF	SSD	BTOW	FPD	ETOW	ESMD	PMD
ON											
ON if available											
Don't care											

5. What L2 algorithm(s) do you need for this trigger? eg. this will use the J/Psi algorithm with modification for upsilon.

6. expected trigger rate (events/sec at Luminosity specified)

7. number of events requested with this trigger

8. requested DAQ readout scheme (eg. clusters only? full 0-suppressed data?)

9. Commissioning plan for this trigger: eg. for our J/Psi trigger, we need to test L2 aborts based on BTOW data and we need BEMC calibrated. Then we will take a data sample of at least 10k triggered events and analyze the data to verify our efficiency.

10. Are any online displays required beyond the standard Panitkin plots and the L3 pictorial display selected for this trigger condition.

11. Does this trigger require any special scaler channels beyond the standard STAR scaler set (TCU bits + LIVE bits)?