AMS in SPS Test Beam, August 2010

Particle	Momentum (GeV/c)	Positions	Purpose
Protons	400 + 180	1,650	Full Tracker alignment, TOF calibration, ECAL uniformity
Electrons	100, 120, 180, 290	7 each	TRD, ECAL performance study
Positrons	10, 20, 60, 80, 120, 180	7 each	TRD, ECAL performance study
Pions	20, 60, 80, 100, 120, 180	7 each	TRD performance to 1.2 TeV

Test beam data in the analysis

- 1.Tracker alignment
- 2. Tracker resolution
- 3. Energy scale of the ECAL
- 4.ECAL performance
- **5.TRD performance (TRD estimator)**

26 August, 2010: U.S. Air Force C-5 transported AMS to KSC





Mark E. Kelly (Captain, USN)



Gregory H. Johnson (Colonel, USAF, Ret.)



E. M. "Mike"Fincke (Colonel, USAF)



Roberto Vittori (Italian Air Force Colonel)



Andrew J. Feustel (Ph.D.)

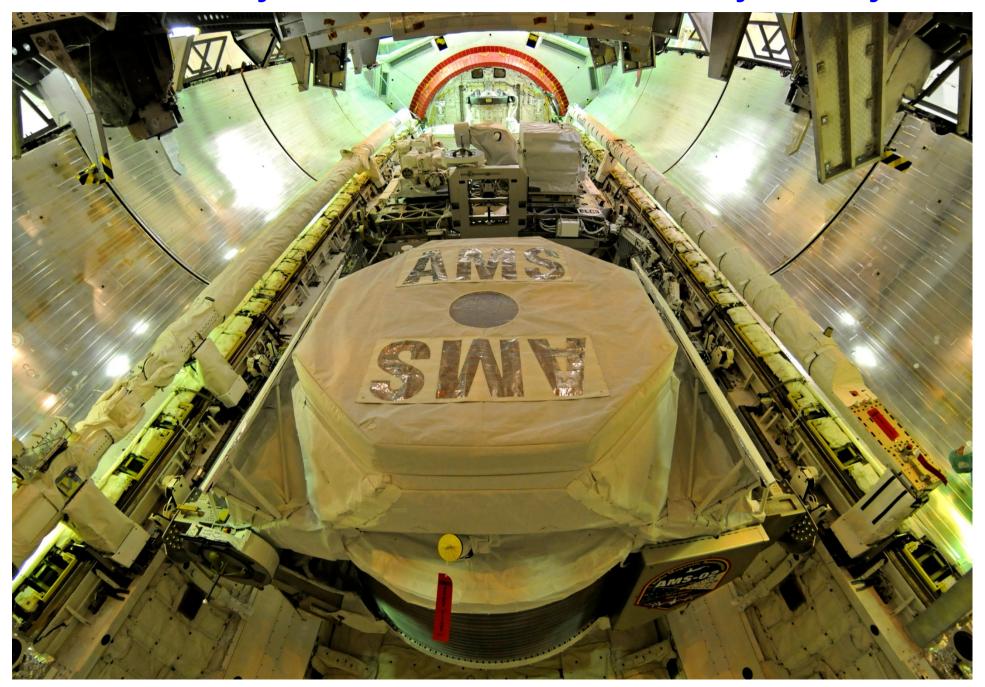


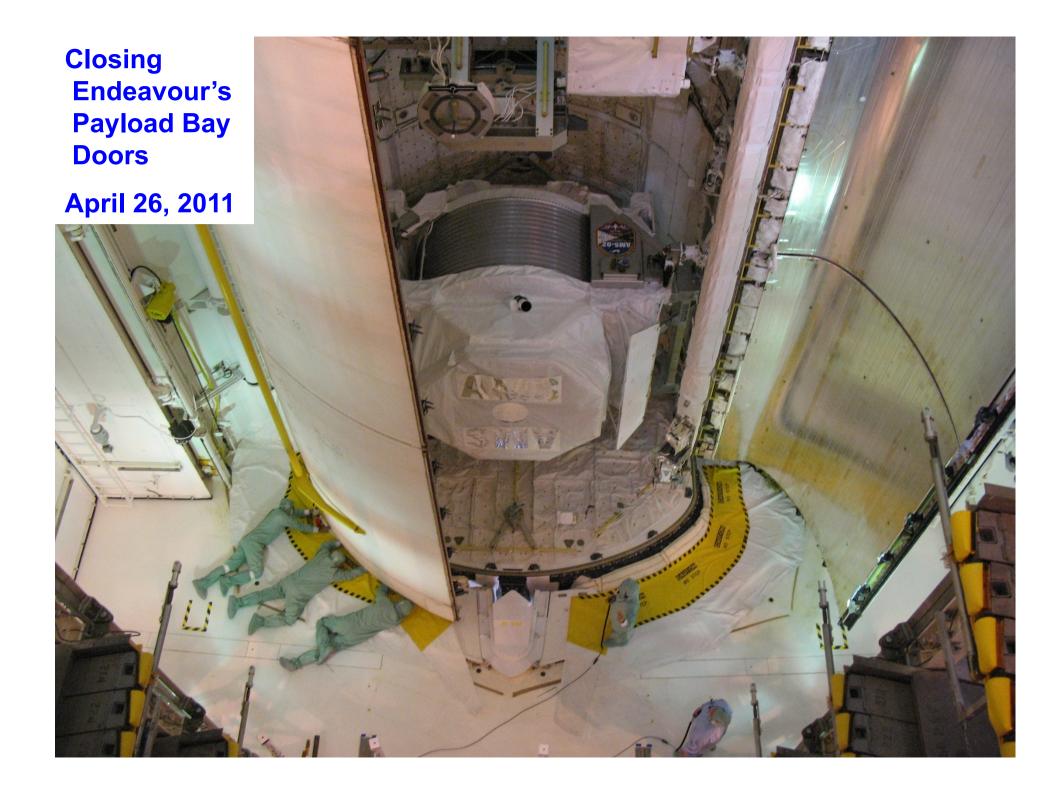
Gregory Errol Chamitoff (Ph.D.)

At KSC, AMS mated with the ISS Payload Attach System simulator



AMS Ready for Launch in Endeavour's Payload Bay







Supporting NASA preflight with the Shuttle Commander, Captain M. Kelly, USN





