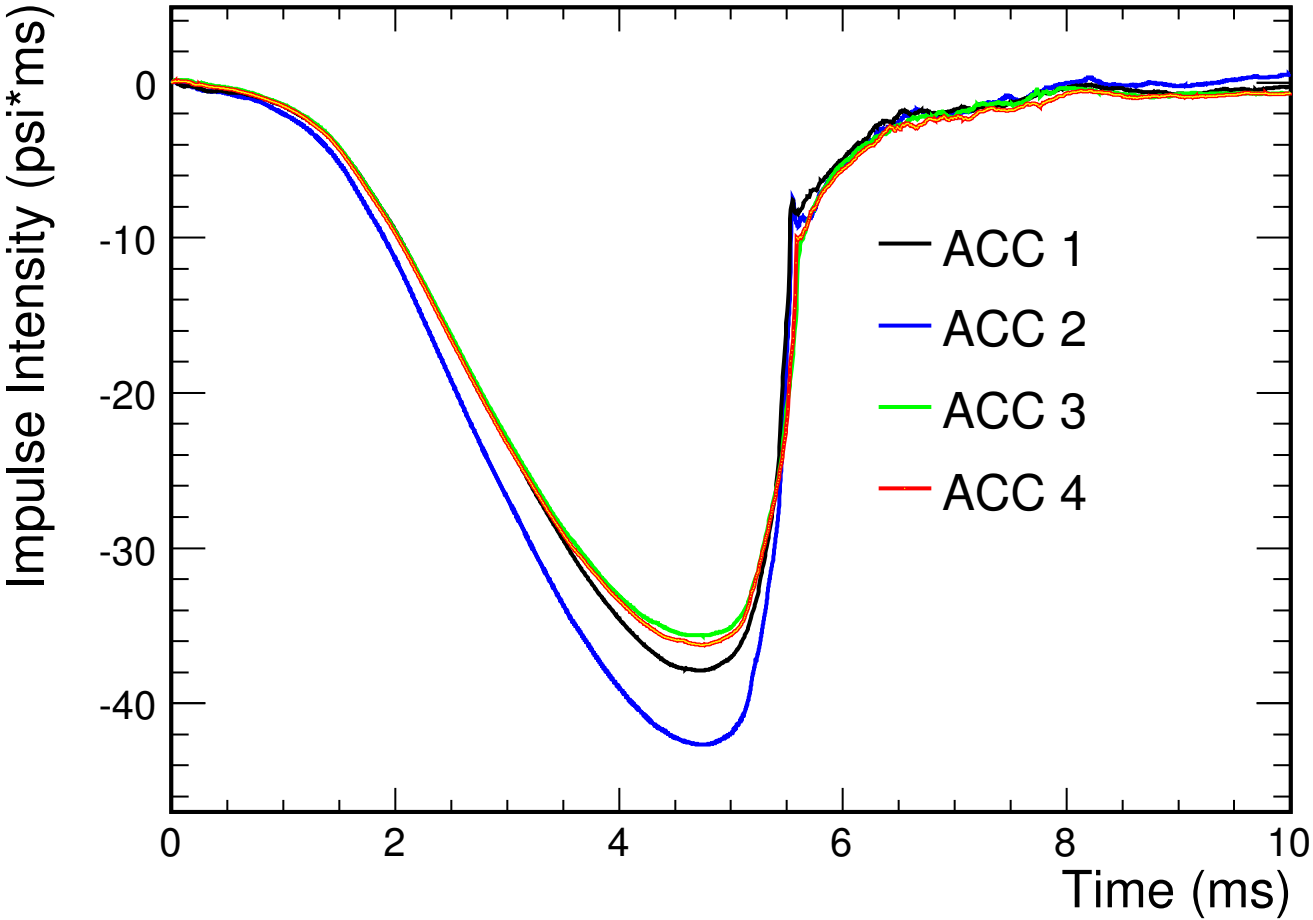Time Integration of Pressure Sensor Responses [12/16/10 PMT Test]