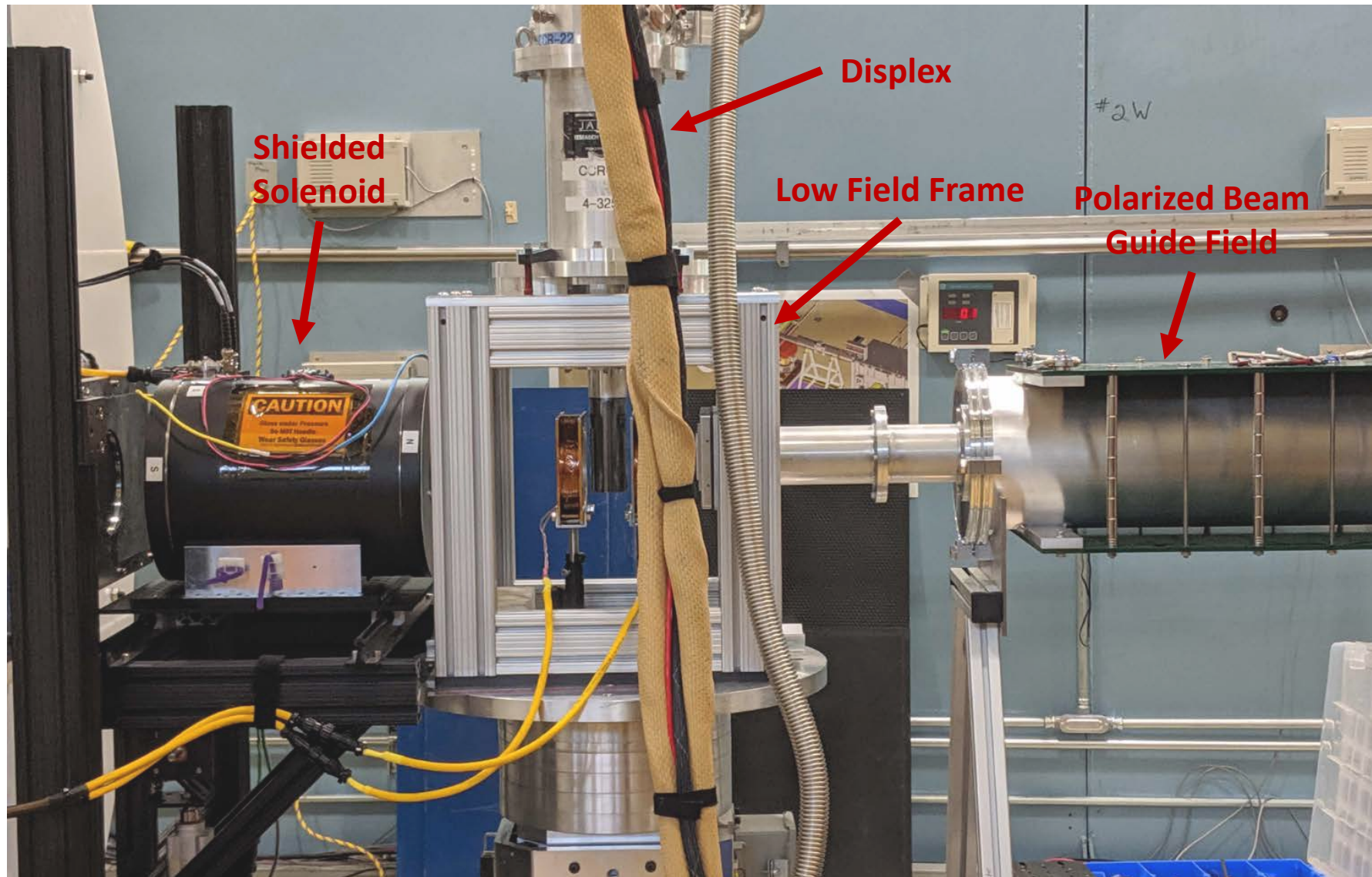


Low Field Setup

≤ 0.1 Tesla

Rev. 11/18/19

Primary equipment: 8020 frame



Setup Configuration

- Low Field Frame:
 - Huber: 6 ½" plates below top plate;
 - EM Coils requires in-house water cooling and 35A min. power supply
 - Water cooling order: **supply-> power supply in -> power supply out-> coils (the two in/out ports are interchangeable) -> return**
 - Power supply is controlled using adam2041 voltage supply. Maximum voltage of X produces Y% output of 65 W power supply and $\approx .128$ Tesla in center between coils
 - Downstream guide located 17.8 cm from solenoid (standard config)
- ^3He Shielded Solenoid:
 - Solenoid cradle: 2 rows (1.1") from downstream opt. bench edge
 - Solenoid horizontal translation: motor #70
 - Solenoid vertical translation: motor #67; Beam ht (ctr): 49.125" from floor
 - Solenoid $\sim 1/2$ " from 8020 frame (standard config, can change as needed)