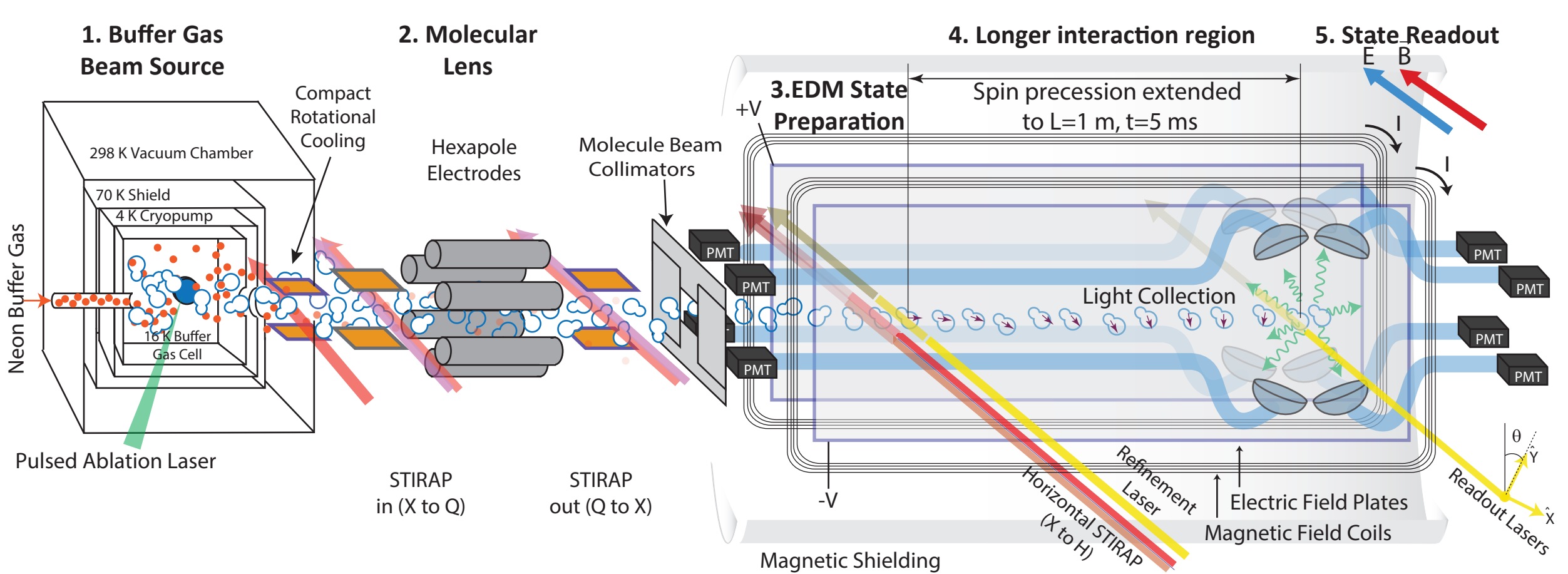
1. Buffer Gas Beam Source
2. Molecular Lens
4. Longer interaction region
5. State Readout
3.EDM State Preparation
Compact Rotational Cooling
298 K Vacuum Chamber
70 K Shield
4 K Cryopump
16 K Buffer Gas Cell
Neon Buffer Gas
Pulsed Ablation Laser
Hexapole Electrodes
Molecule Beam Collimators
STIRAP in (X to Q)
STIRAP out (Q to X)
+V
-V
PMT
Spin precession extended to L=1 m, t=5 ms
Light Collection
E
B
I
Refinement Laser
Horizontal STIRAP (X to H)
Electric Field Plates
Magnetic Field Coils
Magnetic Shielding
Readout Lasers
θ
Y
X