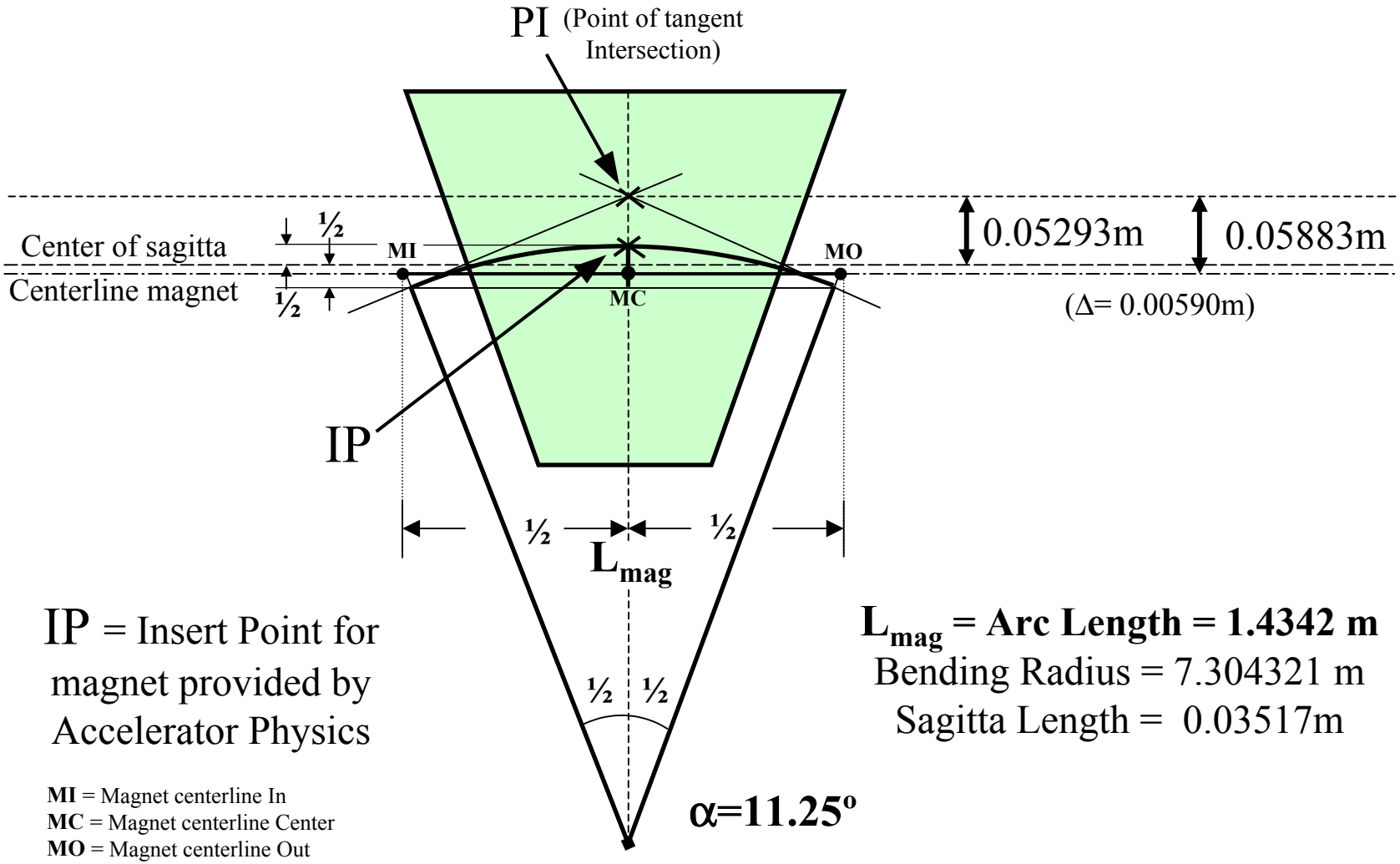
Spallation Neutron Source
Bending Magnet Geometry: 17D120 Dipole

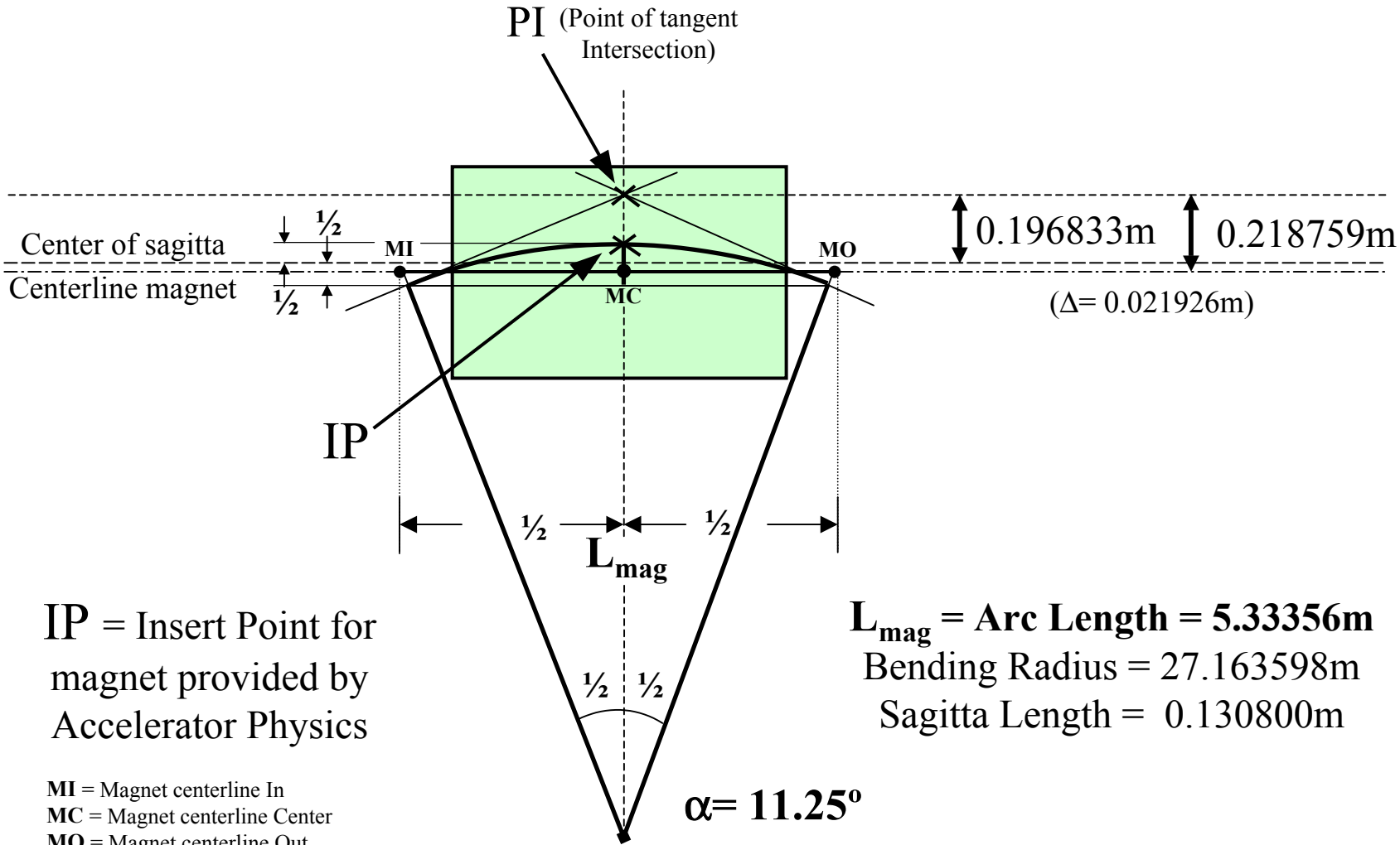


IP = Insert Point for magnet provided by Accelerator Physics

MI = Magnet centerline In
MC = Magnet centerline Center
MO = Magnet centerline Out

L_{mag} = Arc Length = 1.4342 m
Bending Radius = 7.304321 m
Sagitta Length = 0.03517m

Spallation Neutron Source
Bending Magnet Geometry: 8D533 Dipole



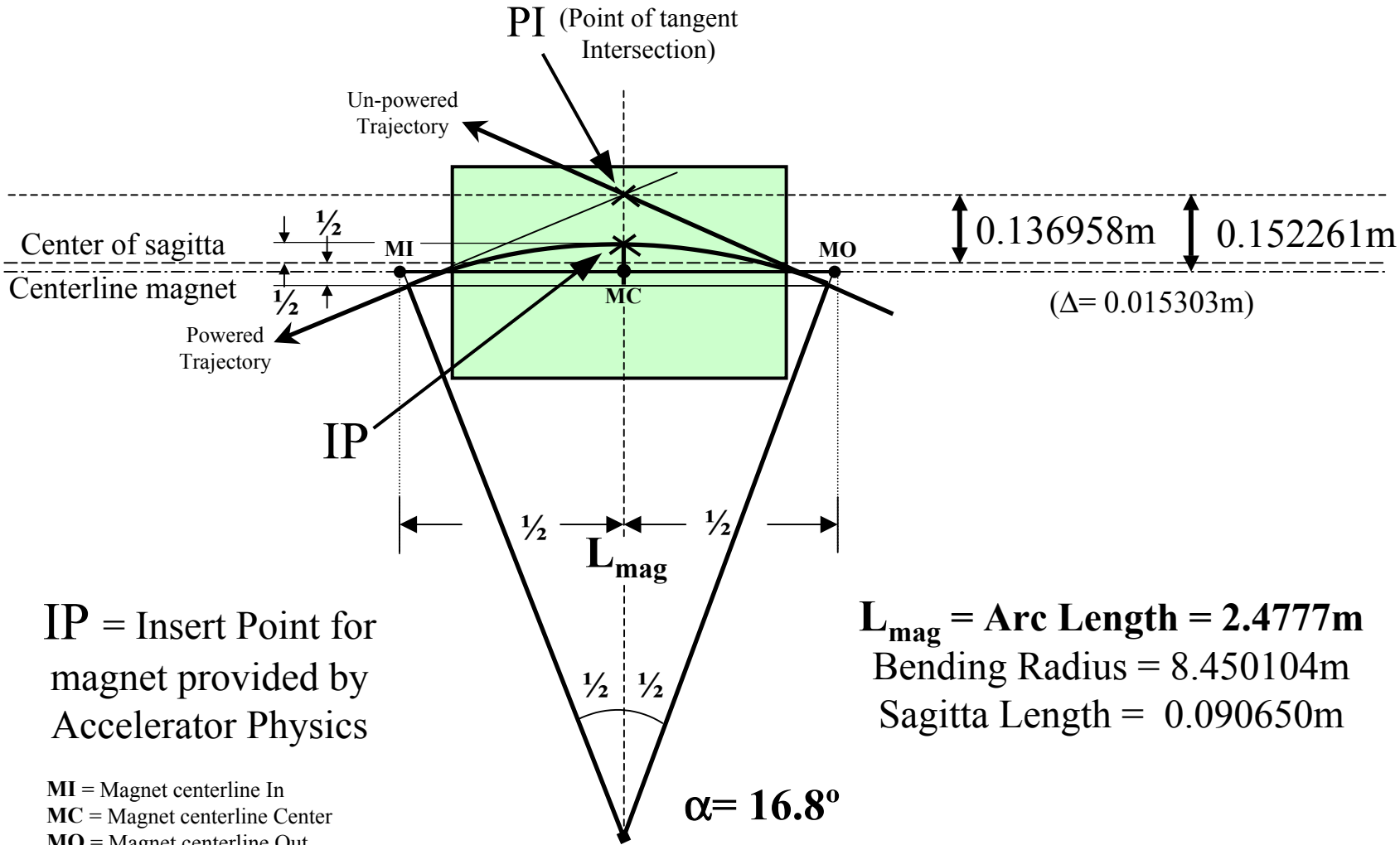
IP = Insert Point for magnet provided by Accelerator Physics

MI = Magnet centerline In
MC = Magnet centerline Center
MO = Magnet centerline Out

L_{mag} = Arc Length = 5.33356m
Bending Radius = 27.163598m
Sagitta Length = 0.130800m

Spallation Neutron Source
Bending Magnet Geometry: 17D244 Dipole

(Magnet shape reflects preliminary design)

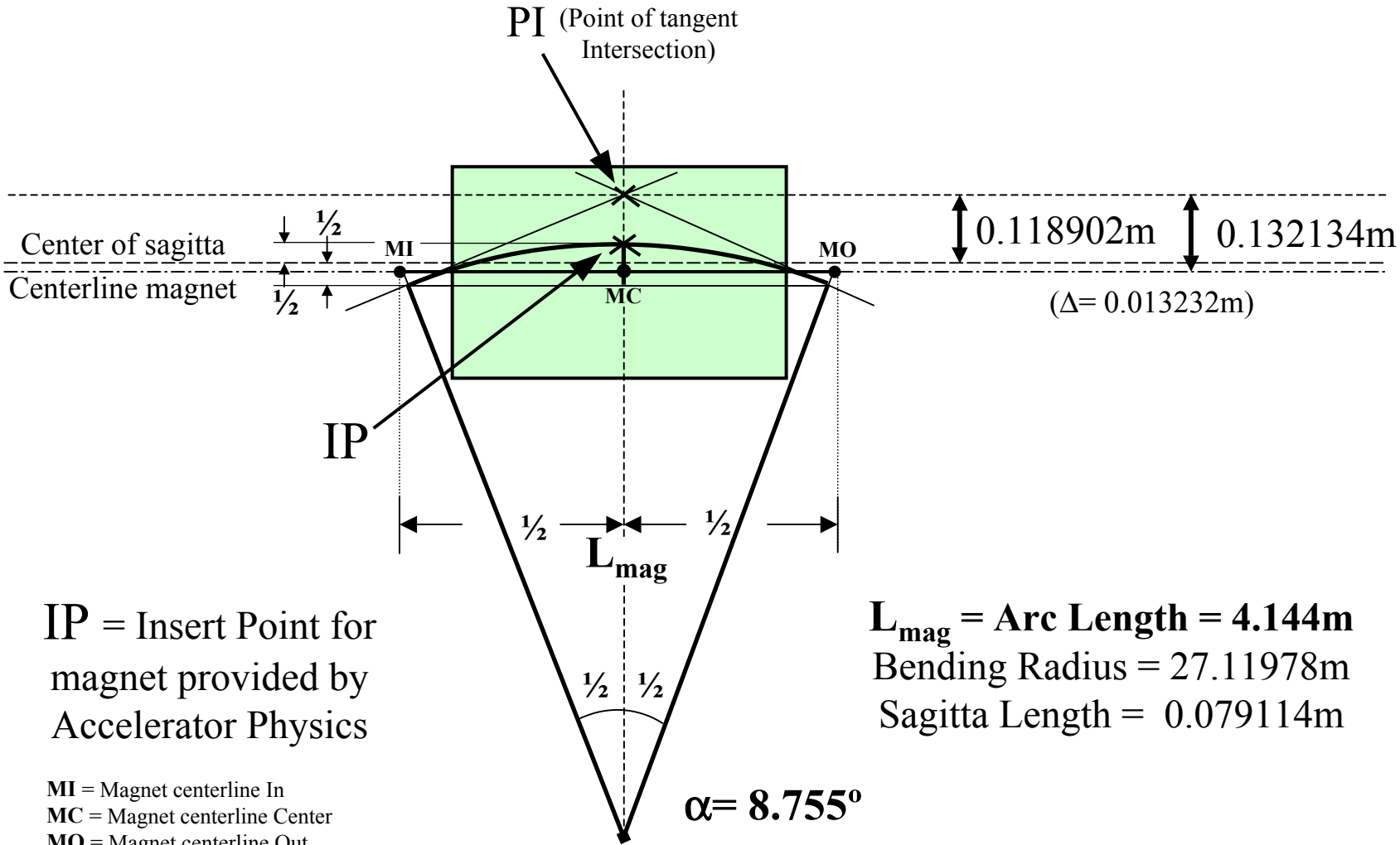


IP = Insert Point for magnet provided by Accelerator Physics

MI = Magnet centerline In
MC = Magnet centerline Center
MO = Magnet centerline Out

L_{mag} = Arc Length = 2.4777m
Bending Radius = 8.450104m
Sagitta Length = 0.090650m

Spallation Neutron Source
Bending Magnet Geometry: 8D406 Dipole



IP = Insert Point for magnet provided by Accelerator Physics

MI = Magnet centerline In
MC = Magnet centerline Center
MO = Magnet centerline Out

L_{mag} = Arc Length = 4.144m
Bending Radius = 27.11978m
Sagitta Length = 0.079114m