1120-52-298 **Karoly Bezdek*** (bezdek@math.ucalgay.ca), University of Calgary, Calgary, Canada. *On minimizing the volume of self-polar convex bodies in spherical d-space.*

I call a spherical convex polytope a spherical Reuleaux polytope if it is of constant spherical width of $\pi/2$. The talk will discuss a number of properties of spherical Reuleaux polytopes in connection with a generalization of the Blaschke-Leichtweiss theorem. (Received February 23, 2016)