



Usoda!

by Arya Akhavan (November 2012)
 Angles for R.I. = 1.540
 23 + 8 girdles = 31 facets
 2-fold, mirror-image symmetry
 96 index
 $L/W = 1.317$ $T/W = 0.535$ $U/W = 0.400$
 $P/W = 0.620$ $C/W = 0.198$
 $Vol./W^3 = 0.409$

PAVILION

P1	43.27°	96-15-24-33-48-63-72-81	Cut to centerpoint.
G1	90.00°	96-48	Set stone width.
G2	90.00°	10-38-58-86	Meet P1, G1
G3	90.00°	24-72	Meet P1, G2
P2	65.21°	10-38-58-86	Level girdle.
P3	67.56°	96-48	Level girdle.

CROWN

C1	33.42°	96-48	Set girdle width.
C2	39.75°	10-38-58-86	Level girdle.
C3	26.86°	24-72	Level girdle.
T	0.00°	Table	Meet C1, C2, C3

I've cut Marco Voltolini's "Shouga" design in the past. It's one of the simplest possible barion checkerboards, but I took that as a challenge and wrote an even simpler one, with only 31 facets! (Designed for small stones.) Can be cut in materials from petalite to rutile (RI = 1.50 - 2.62) with no changes, but I like it in light purple spinel. Suggested length = 4-8 mm

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