$Na_8Ba_{14}CaN_6$	*hP*58	(176) $P6_3/m$ – i^3hf^2edb

$Na_8Ba_{14}CaN_6$ [1]
Structural features: CaN_6Ba_{14} units consisting of six face-linked $N(Ba_5Ca)$octahedra (a central Ca atom surrounded by a N_6 octahedron, a Ba_8 cube and a large Ba_6 octahedron).

Vajenine G.V. et al. (1999) [1]
$Ba_{14}CaN_6Na_8$
a = 1.14192, c = 2.1543 nm, c/a = 1.887, V = 2.4328 nm^3, Z = 2

site	Wyck.	sym.	x	y	z	occ.	atomic environment
Ba1	12*i*	1	0.03542	0.28913	0.04956		non-coplanar triangle N_3
N2	12*i*	1	0.1945	0.1689	0.06864		octahedron Ba_5Ca
Ba3	12*i*	1	0.37599	0.32832	0.1379		single atom N
Na4	6*h*	*m*..	0.0388	0.3532	$^1/_4$		13-vertex polyhedron Na_3Ba_{10}
Na5	4*f*	3..	$^1/_3$	$^2/_3$	0.1646		pentacapped trigonal prism Na_5Ba_6
Na6	4*f*	3..	$^1/_3$	$^2/_3$	0.5091		pseudo Frank-Kasper $Na_2Ba_{12}N_6$
Ba7	4*e*	3..	0	0	0.15105		non-coplanar triangle N_3
Na8	2*d*	-6..	$^2/_3$	$^1/_3$	$^1/_4$		tricapped trigonal prism Ba_6Na_3
Ca9	2*b*	-3..	0	0	0		octahedron N_6

Transformation from published data: origin shift 0 0 $^1/_2$
Experimental: single crystal, diffractometer, X-rays, R = 0.038

References: [1] Vajenine G.V., Steinbrennert U., Simon A. (1999), C. R. Acad. Sci., Ser. IIc 2, 583-589.