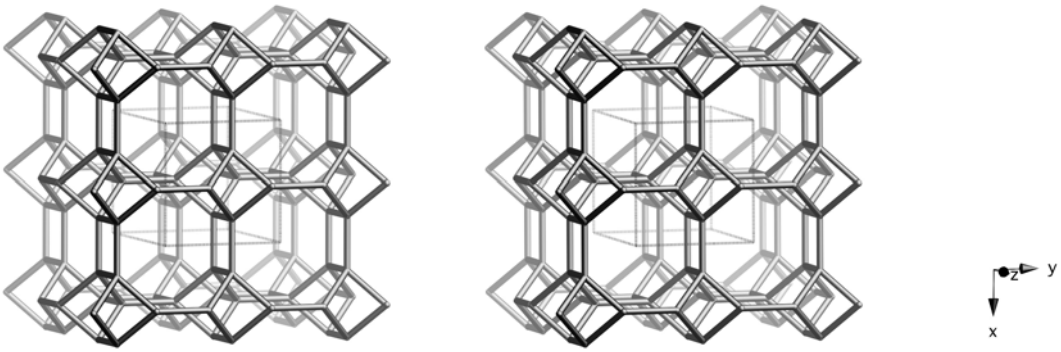
DFT

$P4_2/mmc$

Framework Type Data



framework viewed along [001]

Idealized cell data: tetragonal, $P4_2/mmc$, a = 7.1Å, c = 9.0Å

Coordination sequences and vertex symbols:

T_1 (8,*m*)	4	10	21	36	55	79	106	138	175	215	$4{\cdot}4{\cdot}6_2{\cdot}8_3{\cdot}6_2{\cdot}8_3$

Secondary building units: 4

Composite building units:

nsc
narsarsukite
chain

Materials with this framework type:

*DAF-2[1]
ACP-3 ([Co-Al-P-O]-**DFT**)[2]
UCSB-3GaGe[3]
UCSB-3ZnAs[2]
UiO-20 ([Mg-P-O]-**DFT**)[4]
[Fe-Zn-P-O]-**DFT**[5]
[Zn-Co-P-O]-**DFT**[6]

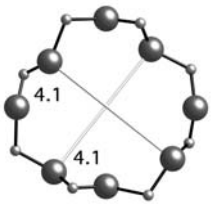
Type Material: DAF-2 **DFT**

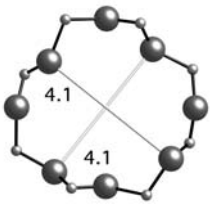
Type Material Data

Crystal chemical data: $|(C_2H_{10}N_2)_2|$ **[**$Co_4P_4O_{16}$**]-DFT**
$C_2H_{10}N_2$ = ethylenediammonium
monoclinic, *I*2/*b*
a = 14.719Å, *b* = 14.734Å, *c* = 17.891Å, γ = 90.02° (1)
(Relationship to unit cell of Framework Type:
a' = 2*a*, *b*' = 2*a*, *c*' = 2*c*)

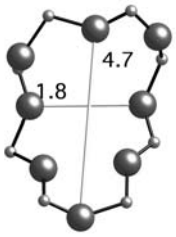
Framework density: 16.5 T/1000Å^3

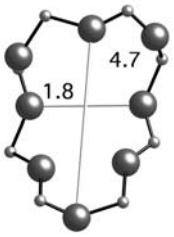
Channels: [001] **8** 4.1 x 4.1* ↔ [100] **8** 1.8 x 4.7* ↔ [010] **8** 1.8 x 4.7*



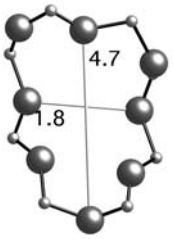


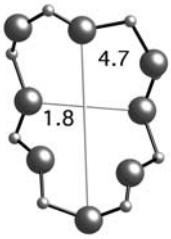
8-ring viewed along [001]





8-ring viewed along [100]





8-ring viewed along [010]

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