Dear Luca,

Congratulations on your new mineral, icosahedrite (2010-042)!

IMA No. **2010-042**
Icosahedrite
Al₆₃Cu₂₄Fe₁₃
Iomrautvaam Massif, Listvenitovyi River, Khatyrka ultrabasic zone, Koryak Upland,
Chukhotka Oblast, Russia
Luca Bindi*, Paul J. Steinhardt, Nan Yao and Peter J. Lu
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Known quartzcrystal
Icosahedral: $Fm\bar{3}\tilde{5}$

$a_{6D} = 12.64$ Å (six-dimensional notation)
3.75(20), 3.41(25), 3.24(20), 2.451(10), 2.108(90), 2.006(100), 1.452(15), 1.238(30); note
that grains do not diffract as single crystals

Type material is deposited in the Mineralogical Collection of the Museo di Storia Naturale,
Università di Firenze, Firenze, Italy, catalogue number 46407/G