Electronic Supplementary Information (ESI):

Combined use of EPR and $^{23}$Na MAS NMR spectroscopy for assessing the properties of mixed cobalt-nickel-manganese layers of $P3$-$Na_yCo_1-2xNi_xMn_xO_2$

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Figure 1 – ESI. XRD patterns of $P3$-$Na_{2/3}Co_{1/3}Ni_{1/3}Mn_{1/3}O_2$ (a) and $P3$-$Na_{1/2}Ni_{0.5}Mn_{0.5}O_2$ (b).

Conventional Rietveld R-factors for XRD patterns of oxides are as follows:

$P3$-$Na_{2/3}Co_{1/3}Ni_{1/3}Mn_{1/3}O_2$ - $R_{Br}$=8.74; $R_{wp}$=8.54; $R_{exp}$=8.89, $\chi^2$=0.92

$P3$-$Na_{1/2}Ni_{0.5}Mn_{0.5}O_2$ - $R_{Br}$=7.90; $R_{wp}$=7.12; $R_{exp}$=6.73, $\chi^2$=1.12