

**NKV'OH'RWDNKECVKOPU'**  
**\*TGNCVGF'VO'VJ GUKU+'**

**Mohanty, P0**"Ukpi j ."X0'R0"O kuj tc."P 0'E0"Qlj c."U0"Mcplkcn"F 0'cpf "Tcvj ." Ej cpf cpc."Gxqmwkqp"qh'ut wewtci'cpf "o ci pgvk"r tqr gt vku"qh'Eq/f qr gf "VkQ4" vj kp" hko u'ktcf kcvgf "y kj "322"O gX" Ci <sup>9</sup>- "kqpu." L0'Rj {u0'F <Crrr0'Rj {u0"69." 537223."42360

**Mohanty, P0**"Mcdktcl."F 0"O cpf cn"T0'M0" Mwtkfc."R0'M0"Ukpi c."C0'U0'M0'cpf " Tcvj ." Ej cpf cpc." Gxkf gpeg" qh" tqgo " vgo r gtcwtg" hgttqo ci pgvkuo " kp" cti qp lqz {i gp"cppgcrgf "VkQ4"vj kp" hko u'f gr qukgf "d{ "grgevtqp"dgco "gxcr qtcvkkp" vgej pls wg."L0O ci p0O ci p0O cvgt 0"577."462/467."42360

**Mohanty, P0**"Uctexcpemwo ct."U0"Uctexcpcp."T0'cpf "Tcvj ." Ej cpf cpc."VkQ4" P cpqy ktgu"i tqy p"htqo "pcpqr ct vkgu<ut wewtg"cpf "ej cti g"f gpuk{"uwf {"."L0' Pcpquek0Pcpqvej pqr0"35."8894/889: ."42350

**Mohanty, P0**" I cpguj cp." X0' cpf " Tcvj ." Ej cpf cpc." Tqgo " Vgo r gtcwtg" Hgttqo ci pgvkuo " kp" V<sub>20</sub>: 7Eq<sub>20237</sub>Q4/ " Vj kp" Hko u" I tqy p" d{ "Rwngf " Ncugt" F gr qukkqp"Vgej pls wg."O cvgt knu'Uekpeg'Hqt wo ."982."3/9."42350

**Mohanty, P0**"O kuj tc."P 0'E0"Ej qwf j ct {"T0'L0"Dcpgtlgg."C0"Uj tkr cvj k"V0" Ncm."P 0'R0"Cppcr qatpk"U0'cpf "Tcvj ." Ej cpf cpc."Qz {i gp"xcecpe{ "kpf weg f" r j cug"htqo cvkqp"cpf "tqgo "vgo r gtcwtg" hgttqo ci pgvkuo "kp"wpf qr gf "cpf "Eq/ f qr gf "VkQ4"vj kp" hko u."L0Rj {u0'F <Crrr0'Rj {u0"67."547523."42340

**Mohanty. P.** O cnkem"R0"O kuj tc."P 0'E0"Dcpgtlgg."C0"Uj tkr cvj k"V0"cpf "Tcvj ." Ej cpf cpc."öGhgev"qh"qz {i gp"xcecpe{ "qp"o ci pgvk"r tqr gt vku"qh' V<sub>3/z</sub>EqzQ4" pcpqr ct vkgu" u{pyj gul gf " d{ " uqni gn' tqwgö=" Kpvtpcvkkpcn' Lqwtpcn' qh' Pcpqvej pqrqi {"cpf "Crrrkecvkqpu."7."5: 5/5; 5."42330

Tcvj ." Ej cpf cpc."**Mohanty, P0**" Rcpf g{." C0'E0'cpf " O kuj tc."P 0'E0" Qz {i gp" xcecpe{ "kpf weg f"ut wewtci'r j cug"tcpuhtqo cvkqp"kp"VkQ4"pcpqr ct vkgu."L0Rj {u0' F <Crrr0'Rj {u0"64."427323."422; 0

**\*POV'TGNCVGF'VO'VJ GUKU+'**

**Mohanty. P0**"Tcvj ."Ej cpf cpc."O cnkem"R0"Dkuy cn"T0'cpf "O kuj tc."P 0'E0"WX/ xkukdrg"uwf lgu"qh'plengn'qz kf g"vj kp" hko "i tqy p"d{ "vj gto cn'qz kf cvkqp"qh'plengn" Rj {u0'D'Eqpf gpi0O cvgt."627."4933/4936."42320

Mwo ct."N0"**Mohanty. P0**"Uj tkr cvj k"V0'cpf "Tcvj ." Ej cpf cpc."Cr r gtcpep"qh" Uwr gtr ctco ci pgvk" Rj cug" Dgmjy " Ewtkg" Vgo r gtcwtg" kp" Eqdcn' ej tqo kg" pcpqr ct vkgu."Pcpquek0Pcpqvej pqr0Ngw0"3."3; ; /425."422; 0

Tcvj ." Ej cpf cpc" cpf " **Mohanty. P0**" O ci pgvk" r j cug" tcpuhtqo" kp" eqdcn' ej tqo kg"pcpqr ct vkgu."L0Uwr gteqpf 0Pqx0O ci p0"46."84; /855."42330

Tcyj . "Ej cpc cpc." **Mohanty**. P0' cpc "Dcpgtlgg." C0" O ci pgke" r tqr gt vku" qh' pcpqr ct vku" qh' eqdcn' ej tqo kg. "LO' O ci p0' O ci p0' O cvgt0" 545." 38; : /3924." 42330'

Ukpi j . "X0'R0"**Mohanty**. P0"Nqej cd." U0'R0' cpc "Tcyj . "Ej cpc cpc." Cpgo cmwu" nwo kpguegpv' r tqr gt vku" kpi \ pQ" cpc "UtCn4Q6" eqo r qukgu. "TUE" Cf x0" 6." 58987/ 58992." 42360'

Mwo ct. "F0" **Mohanty**. P0" Ukpi j . "X0' R0" I crkxctcr w." L0' M0" Dcpgtlgg." C0" I cpgucp. "X0' cpc "Tcyj . "Ej cpc cpc." Vwv kpi "qh' o ci pgke" t cpukkkp" vgo r gtcwttgu" kpi "pcpqr ct vku" qh' EqEt4Q6" o wnkgttqle" d{ "D/ukg" o k kpi . "O cvgt0" Tgu0'Dwrt0" 76.'9: /: 5." 42360'

**DGUV'ROUNGT'CY CTF'KP'EOPHGTGPEGU'**

**International Conference on Swift Heavy Ions in Materials Engineering and Characterization (SHIMEC)** "Qevqdg" 42360' kpgvt "Wpkxgtuk" { "Ceegrgtcvqt" Egpvt "KWCE+" P gy " F gj k0' kpf kc0' oGxqmwkqp" qh' vt cpurqt v" cpc " o ci pgke" dgj cxkqwt "kpi" gr kczkc n'Vk3/zEqzQ4/ "vj kpi" hko u'wvf gt 'uy kv'j gcx{ 'kqp' kt cf kcvkqpö" **Mohanty.P.** . O kuj tc. "P0'E0" Ej qwf j ct { . "T0L0" Tcy cv. "T0' cpc "Tcyj . "Ej cpc cpc0

**Conference cum Workshop on Electron Microscopy.** "F gego dgt" 4234." F gr ctvo gpv' qh' O gvcmti kecl' Gpi kpggtkpi . "KW" \*DJ W40' oTqqo "Vgo rgt cwt g" lgttqo ci pgvkuo <"Vk3/zEqzQ4/ "z."? "2." 2037+"vj kpi" hko "i tqy p" d{ "rwnugf "rcugt" f gr qukvtqpö" **Mohanty, P.** . O kuj tc. "P0'E0" Ej qwf j ct { . "T0' L0" Dcpgtlgg." C0" Uj tkr cyj k "V0" Ncmc "P0'R0' cpc "Tcyj . "Ej cpc cpc0" "

**National Conference on Experimental Tools for Materials Science Research: State of Art.** "5"/"6" F gego dgt "42320" F gr ctvo gpv' qh' Rj { ukeu. "O cj krc" O cj cxkf { cmc { c. "Dcpctcu" J kpf w' Wpkxgtuk" { . " šGltgev' qh' Qz{ i gp" Xcecpe{ " kpi" Rj cug" Vt cpulqt o cvkqp" cpc "O ci pgke" Rt qr gt vku" qh' Vk3/zEqzQ4" z."? "2" vq" 207+" pcpqr ct vku" qh' **Mohanty.P.** cpc "Tcyj . "Ej cpc cpc0" "

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**RCTVÆKRCVKQP 'KP' EOP HGTGPEGU'**

IUMRS ICA 2013, KÙe0F gego dgt"4235."õGhgev'qh'qz{i gp"rctvkn'rt guwt g" cpf "uy hv'j gcx{"kqp"ktcfkçkqp"qp"rtqr gt vku'qh'wpf qrgf "cpf "Eq/f qrgf "VkQ4" vj kp"hw ü"Mohanty."P.. O kuj tc."P 0E0"Ej qwf j ct {"T0L0"cpf "Tcyj ."Ej cpf cpc" 0\*Poster Presentation+"

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National Conference on Condensed Matter Days 2013, Cwi "42350'P KV" Tqwtngrc."õUt wewt cn'cpf "o ci pgvke"rtqr gt vku'qh'322"O gX"Ci<sup>-9</sup>"kqp"ktcfkçkqp" Eq/f qrgf "VkQ4" vj kp"hw ü Mohanty." P.. O kuj tc." P 0' E0" Cxcuy k" F 0' M0" Mcplkcn" F 0"cpf "Tcyj ."Ej cpf cpc0\*Oral Presentation+"

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International Conference on Swift Heavy Ions in Materials Engineering and Characterization (SHIMEC)"Qevqdt"42340'Kpvt" Wpkxgtukv{"Ceegrtcvqt" Egpvt"\*KWCE+."P gy "F grj k'kpf k0'õkqp"ktcfkçkqp"qp"pqp/uwkej kqo gvt ke"Eq" f qrgf "VkQ4" Vj kp" Hkw <"Ut wewt cn'cpf "O ci pgvke"Rtqr gt vku" Mohanty." P.. O kuj tc." P 0E0"Ej qwf j ct {"T0L0" Tcyj . Ej cpf cpc0(Poster Presentation)

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National Seminar on Recent Trends in Condensed Matter Physics."O ctej " 4233."Crr rñgf "Rj {ukeu."KV/DJ W'Xctpcuk"O ci pgvke"rtqr gt vku'qh'Vk<sub>3/2</sub>Eq<sub>z</sub>Q4"%" ? "2.203.205+"pcpqrctvkeru." Mohanty." P.. Dcpgtlgg."C0"Uj tkr cyj k" V0'cpf " Tcyj ."Ej cpf cpc0(Oral Presentation)

**RCTVÆKRCVKQP 'KP' UEJ QONNY QTMUJ ORU'**

NcVgZ"Vtcklpi "Rtqi tco o g."F UUV0"Egpvtg"ht"Kpvtf kær nkpt {"O cyj go cvæcn" Uekgpegu"\*EKO U+."Dcpctcu"J kpf w"Wpkxgtukv{"Xctpcuk"443227."Hgdwtct {"35"/" 3: ."42340'

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õUej qqn'qp"U'pej tqvt qp"Tcf kçkqp"cpf "Ht gg"Grgev qp"Ncugt u"cpf "Vj gk"O wnk' F kær nkpt {"Crr rñkçkqpü."ÆVR."Vtkgvg."Kcn{"O ctej "3; /52."42340'

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Y qtmuj qr "qp"õUb ctv'o cvgtknu"cpf "vj kp"hw ü."F gr v0qh'Rj {ukeu."P KV" Tqwtngrc" 4: "Cwi wuv"42350'

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## Oxygen vacancy induced structural phase transformation in TiO<sub>2</sub> nanoparticles

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